DAIKIN

Warning

- Ask a qualified installer or contractor to install this product. Do not try to install the product by yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

- Specifications, designs and other content appearing in this brochure are current as of July 2013 but subject to change without notice.

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DAIKIN

PCSHK1010C

SkyAir

AIR CONDITIONING SYSTEM

COOLING ONLY [50Hz]

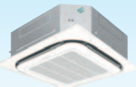
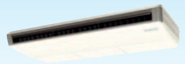
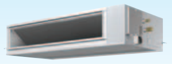
R-410A

HFC R-410A Line Up for Stores and Offices.

CEILING MOUNTED CASSETTE TYPE
WALL MOUNTED TYPE
CEILING SUSPENDED TYPE
DUCT CONNECTION MIDDLE/HIGH STATIC PRESSURE TYPE
OUTDOOR UNIT

Product **Lineup**

SkyAir

Series		71	100	125	140	
CEILING MOUNTED CASSETTE TYPE **ROUND FLOW** 〈Round Flow〉						**Page 3**
	Indoor unit	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	
	Outdoor unit	RR71MV1 / Y1	RR100MY1	RR125MY1	RR140MY1	
CEILING SUSPENDED TYPE						**Page 7**
	Indoor unit	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B		
	Outdoor unit	RR71MV1 / Y1	RR100MY1	RR125MY1		
WALL MOUNTED TYPE			**NEW**			**Page 9**
	Indoor unit	FAQ71BVV1B	FAQ100CVEA			
	Outdoor unit	RR71MV1 / Y1	RR100MY1			
DUCT CONNECTION MIDDLE/HIGH STATIC PRESSURE TYPE						**Page 11**
	Indoor unit	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	
	Outdoor unit	RR71MV1 / Y1	RR100MY1	RR125MY1	RR140MY1	
OUTDOOR UNIT						**Page 13**
		RR71MV1 RR71MY1	RR100MY1	RR125MY1	RR140MY1	

Uniform 360° airflow cassette air conditioner is setting tomorrow's standards.

FCQ71LU/100LU/125LU/140LU

Option

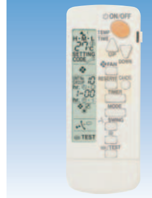
Accessory required for indoor unit

Wired LCD remote controller

BRC1C61

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.



BRC7F633F

Signal receiver unit (Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

Wired LCD remote controller with weekly schedule timer

BRC1D61

Navigation Remote Controller

(Wired Remote Controller)

BRC1E62

Features

Comfort							Remote controller					Cleanliness	
Auto swing	Swing pattern selection	Switchable fan speed (2 step)	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Year-round cooling applicable	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Silver ion anti-bacterial drain pan
●	●	●	●	●	*1	●	*2	*2	*3	*2	*4	●	●

Work & Servicing							Control features							Options			Others
Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Ceiling soiling prevention	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DIII-NET communication standard	Ultra long-life filter	High-efficiency filter	Fresh air intake kit	Anti corrosion treated heat exchangers
●	*5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	*5

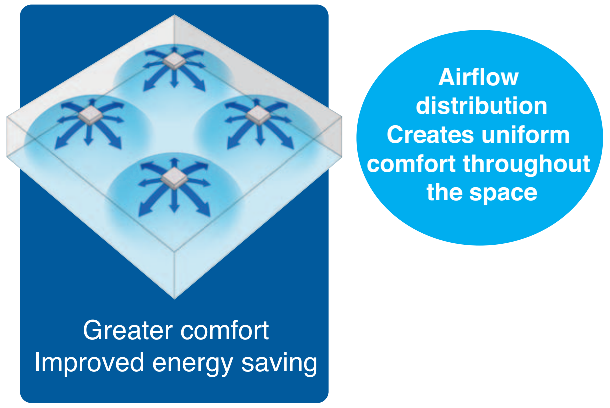
*1 Applicable when wired remote controller is used
*2 Applicable when BRC1E62 is used
*3 Applicable when BRC1D61 or BRC1E62 is used
*4 Applicable when BRC1C61 is used
*5 For the outdoor units

Avoids uneven temperature and discomfort caused by drafts.

Comfort enhanced by Round Flow!

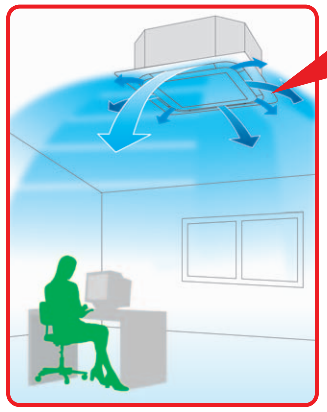
- 360° airflow

With uniform temperature distribution


Airflow distribution Creates uniform comfort throughout the space
Greater comfort
Improved energy saving

- Air movement is gentle with Round Flow

Enhanced Comfort



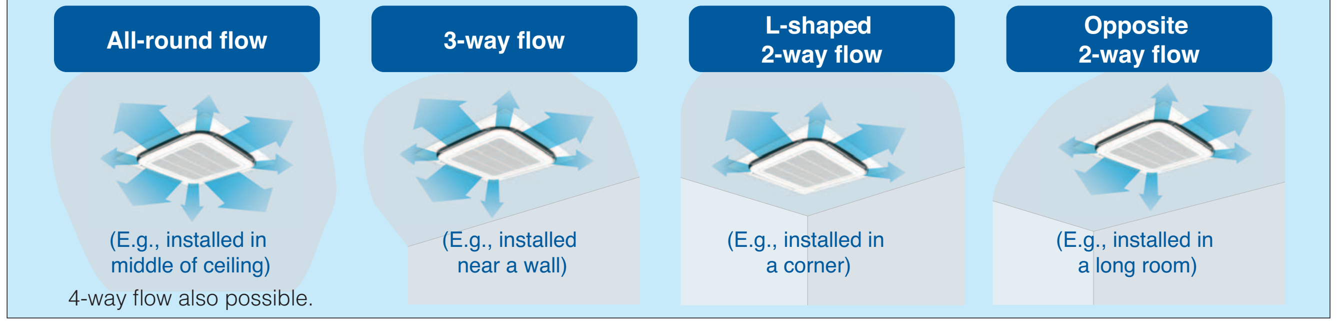
360° airflow can maintain comfort even if air discharge speed is lower.

If you raise the set temperature by 1 to 1.5°C,and velocity is decreased by 25%, you still obtain the same feeling temperature and comfort.

Adapts easily to the installation space.

- Because air flows out from corner outlets, comfort spreads more widely.

Typical flow patterns There are a total of 23 flow patterns.

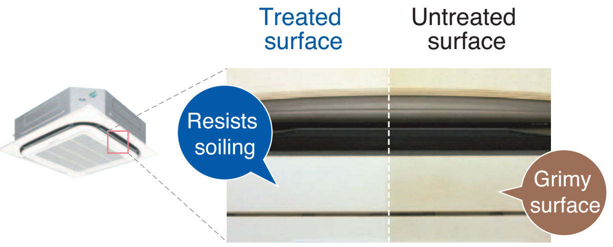

All-round flow
3-way flow
L-shaped 2-way flow
Opposite 2-way flow
(E.g., installed in middle of ceiling)
(E.g., installed near a wall)
(E.g., installed in a corner)
(E.g., installed in a long room)
4-way flow also possible.

Note: Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing material (option) must be used to close each unused outlet.
Operation sound increases when using 2-way or 3-way flow.

Grime prevention and bactericidal coating: Make cleaning easier.

External panels are treated with a coating that repels dirt.

- To prevent dirt sticking to the external panels, they have been coated with a surface treatment.


Treated surface
Untreated surface
Resists soiling
Grimy surface

- Condition after exposure to the smoke of 600 cigarettes in 1 m^3 enclosed space.

- Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

- Non-flocking flaps

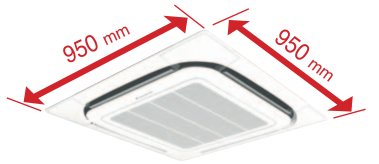
Condensation does not easily form on and dirt does not cling to non-flocking flaps.
It is easy to clean.

- Filter has anti-mould and bactericidal treatment

Prevents mould and microorganisms growing out of the dust and moisture that adheres to the filters.

Fine square panels

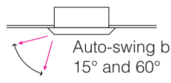
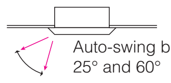
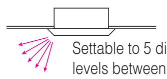
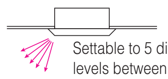
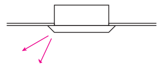
- Panel size is same for all models, FCQ71-140LU. It is easy to maintain a neat appearance when multiple units are installed.



Same for all models

Optimal comfort and convenience assured by air discharge modes

Note: Air direction is set to the standard position when the unit is shipped from the factory.
The position can be changed from the remote controller.

Air direction	**Standard setting**	**Setting to prevent soiling of ceiling***
Desired situation	Standard position to prevent draft.	Recommended for shops with light coloured ceilings that must be kept spotless.
Auto-swing	 Auto-swing between 15° and 60°	 Auto-swing between 25° and 60°
5-levels air direction setting	 Settable to 5 different levels between 15° and 60°	 Settable to 5 different levels between 25° and 60°
Auto air direction control	 The air direction is set automatically to the memorised position of the previous air direction.	

*Closing of the corner discharge outlets is recommended.

- Suitable for high ceilings

Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

■Criteria for ceiling height and number of air discharge outlets
(Ceiling height is reference value)

		Number of air discharge outlets used							
		71LU				100LU–140LU			
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
Ceiling height	Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m
	High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m
	High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—

Note: Factory settings are for standard ceiling height and all-round flow.
High ceiling settings (1) and (2) are set with the remote controller by field setting.

- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option (BRC1D61,BRC1E62)) contain temperature- sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature must be set during commissioning by the technicians.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a temperature-sensor.

- Switchable fan speed: High/Low

High setting provides maximum reach while low setting minimises drafts.

- On/Off timer

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

Compact body and quiet operation

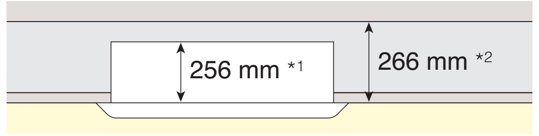
dB(A)

Indoor unit	High	Low
71LU	35	28
100LU	43	32
125LU	44	34
140LU	44	36

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Quick and easy to install

- Just 256 mm high. Installable in tight ceiling spaces (71LU)



*1 298 mm high with 100LU–140LU
*2 308 mm high with 100LU–140LU

- Easy height adjustment

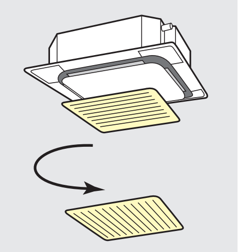
Each corner of the unit has an Adjuster Pocket that lets you easily adjust the unit's suspended height.

Note: If the wireless remote control option is installed, a light receptor unit is housed in one of the adjuster pockets.

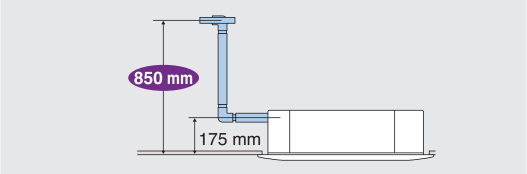
- All models can be installed without using lifter because of the light weight.

- Installable in any direction

Since the orientation of the intake grill can be adjusted after installing, the direction of the intake grill lines can be unified when multiple units are installed.



- Drain pump is equipped as standard accessory with 850 mm lift.



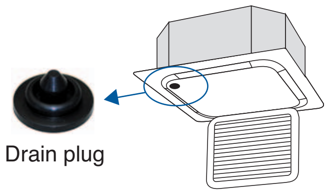
- Transparent drain socket

Because the drain socket is transparent, after the drain piping has been installed, it is easy to check if the drain come out through the socket.

- Connection to a centralised control system is available without option

Easier to maintain

- The condition of the drain pan and drain water can be checked by removing the drain plug and intake grille.



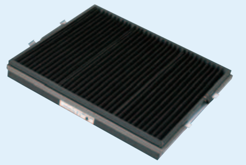
Just open the intake grille!

- With ultra-long-life filters (option), maintenance is not required in normal shops or offices for up to four years.

Options required for specific operating environments

Ultra-long-life filter

Even in smoky environments where the air conditioning is on most of the time, the ultra long-life filter only has to be changed once a year.



Smoky atmosphere: annual filter change
*For dust concentration of 0.3 mg/m³ (Requires separately sold Air Cleaner.)
1 year (Approx. 5,000 hr) ≒ 15 hr/day x 28 day/month x 12 month/year

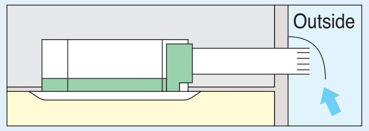
Ordinary store or office: filter change every 4 years
*For dust concentration of 0.15 mg/m³
4 years (Approx. 10,000 hr) ≒ 8 hr/day x 25 day/month x 4 years

High-efficiency filter

Available in two types: 65% and 90% colorimetry.

Fresh air intake kit

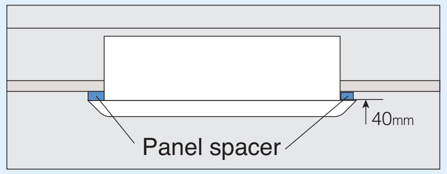
Using this kit, a duct can be fitted to increase the intake of outdoor air.



Note: *Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.
**Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63)is required for interlocking.
***It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating sound and may also influence temperature sending.

Panel spacer

Use when only minimal space is available between drop ceilings and ceiling slabs.



Note: Some ceiling constructions may hinder installation.
Contact your Daikin Dealer before installing your unit.

Sealing material of air discharge outlet

Sealing material block air discharge openings not used in 2-way or 3-way blow.

Branch duct (direct-connection round duct)

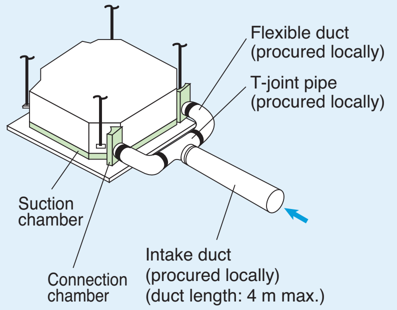
A round duct can be attached without the need for a chamber.

A flanged port for direct connection of a round duct is provided. An existing branch duct chamber can also be fitted (square slit hole).

The units can be installed in the following different ways.

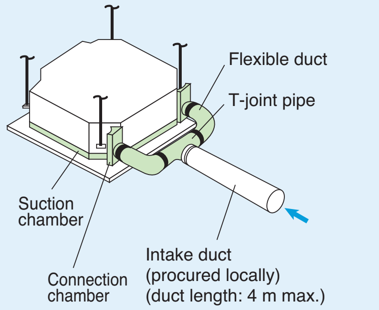
Chamber type
(without T-joint pipe and fan)

KDDP55B160


Flexible duct (procured locally)
T-joint pipe (procured locally)
Suction chamber
Connection chamber
Intake duct (procured locally) (duct length: 4 m max.)

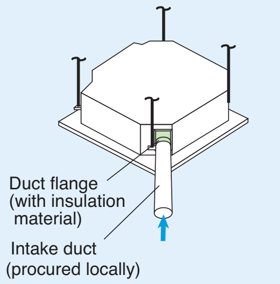
Chamber type
(with T-joint pipe and without fan)

KDDP55B160K



Direct installation type

KDDP55X160


Duct flange (with insulation material)
Intake duct (procured locally)

Note: Use of options will increase operating sound.

Quiet and compact system.

FHQ71BV / 100BV / 125BV

Option

Accessory required for indoor unit

Wired LCD remote controller

BRC1C61

Wireless LCD remote controller

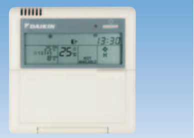
A signal receiver must be added to the indoor unit.

BRC7EA66

Signal receiver unit (Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

Wired LCD remote controller with weekly schedule timer



BRC1D61

Navigation Remote Controller

(Wired Remote Controller)

BRC1E62

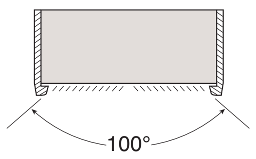
Features

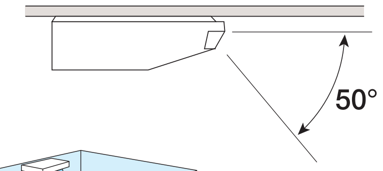
Comfort						Remote controller					Cleanliness	Work & Servicing						Control features						Others
Auto swing	Switchable fan speed (2 step)	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Year-round cooling applicable	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Anti corrosion treated heat exchangers
●	●	●	*1	*2	●	*3	*3	*4	*3	*5	●	*6	*7	●	●	●	●	●	●	●	●	●	●	*7

*1 Installable on max. 3.5 m high ceiling
*2 Applicable when wired remote controller is used
*3 Applicable when BRC1E62 is used
*4 Applicable when BRC1D61 or BRC1E62 is used
*5 Applicable when BRC1C61 is used
*6 Option
*7 For the outdoor units

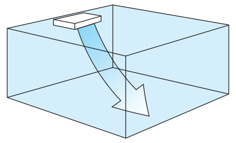
Diffuses comfortable air throughout the room

- Auto-swing (up&down) brings comfort to the room.
- Wide air discharge openings produce a spreading 100° airflow
- Air is blown up to 50° in the downward direction.





- Installable on ceilings 3.5 m high



- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option (BRC1D61,BRC1E62)) contain temperature- sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a temperature-sensor.

- Switchable fan speed: High/Low
- Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Installation flexibility for freedom of design

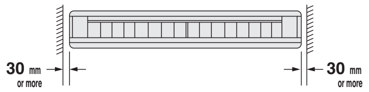
- Uniform height and depth. Compact design for small-capacity models to meet tighter dimensional constraints.

(mm)

Indoor unit	71BV	100BV	125BV
Height	195		
Width	1,160	1,400	1,590
Depth	680		

- Flexible installation

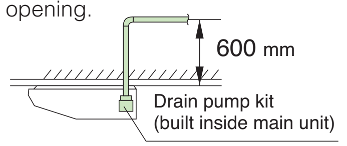
The unit fits more snugly into tight spaces.



*Water used in the test-run can now be drained from the air discharge opening rather than from the side as was formerly the case.

- Drain pump kit (option) can be easily incorporated

Drain pipe connection can be done inside the unit. refrigerant and drain pipe outlets are at the same opening.



- All wiring and internal servicing can be done from under the unit
- Pipes more easily rigged, too

Plastic panels are used to conceal piping holes. Holes can be easily punched out without requiring special tools.

Quiet operation

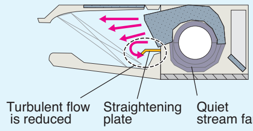
- Sound operation has been reduced on the exposed ceiling suspended type unit.

dB(A)

Indoor unit	High	Low
71BV	39	35
100BV	42	37
125BV	44	39

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Uses quiet stream fan and other quiet technologies.



Easier to maintain

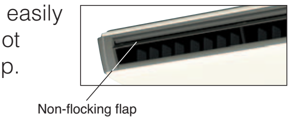
- Long-life filter lasts about half year * maintenance not required

* For dust concentration of 0.15 mg/m^3

Two time settings (2500 hrs and 1250 hrs) are available to match the installation environment. Maintenance time warning is displayed on the remote controller (filter sign).

- Non-flocking flap

Condensation does not easily form on and dirt does not cling to non-flocking flap.
It is easy to clean.



- Easy-clean, flat surfaces

It is easy to wipe dirt off the flat side and lower surfaces of the unit.

- For all maintenance tasks, access is from bottom surface.

Oil resistant grille

- Oil-resistant plastic is used for the air suction grille. This satisfies durability in restaurants and other similar environments.

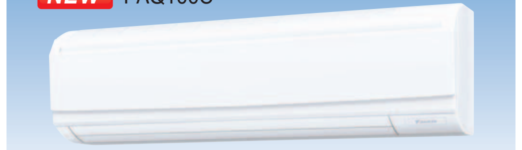
Note: Intended for use in salons, dining rooms, and ordinary sales floors, this specification is not suitable for kitchens or other harsh environments.

Compact design and easy installation

FAQ71BV/100C

FAQ71BV

NEW FAQ100C



Option

Accessory required for indoor unit

Wired LCD remote controller

BRC1C61

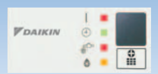
Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

71BV	**BRC7EA619**
100C	**BRC7EB519**

71BV

100C



Signal receiver unit (Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

Wired LCD remote controller with weekly schedule timer

BRC1D61

Navigation Remote Controller

(Wired Remote Controller)

BRC1E62

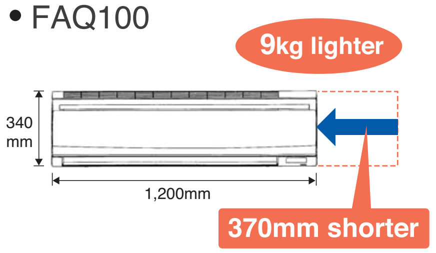
Features

Comfort							Remote controller					Cleanliness	Work & Servicing					Control features							Others
Auto swing	Switchable fan speed	Auto airflow rate	High fan speed mode	Programme "Dry"	Two selectable temperature-sensors	Year-round cooling applicable	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Mould-proof air filter	Drain pump mechanism	Pre charged for up to 30 m	Filter sign	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DIII-NET communication standard	Anti corrosion treated heat exchangers
●	*1	*2 *3	●	●	*4	●	*3	*3	*5	*3	*6	●	*7	*8	●	●	●	●	●	●	●	●	●	●	*8

*[1] FAQ71: 2 step, FAQ100: 3 step
*[2] FAQ100 only
*[3] Applicable when BRC1E62 is used
*[4] Applicable when wired remote controller is used
*[5] Applicable when BRC1D61 or BRC1E62 is used
*[6] Applicable when BRC1C61 is used
*[7] Option
*[8] For the outdoor units

Compact & Sophisticated design

- FAQ100



	FAQ100BV	FAQ100C
Height	360mm	**340mm**
Width	1,570mm	**1,200mm**
Depth	200mm	**240mm**
Weight	26kg	**17kg**

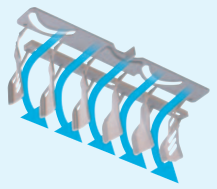
- Flaps are closed when not operating

Comfortable

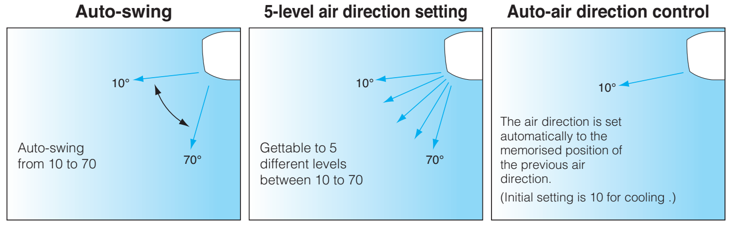
- Auto swing (up and down) and wide-angle louvers (left and right by hand) facilitate even room temperature

Wide-angle louvers (by hand)

Soft material louver bends airflow over a wider area



- An air discharge modes ensure comfortable air distribution across the entire room



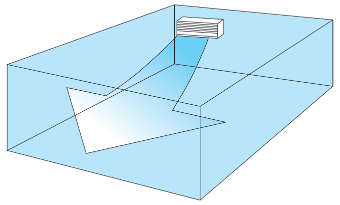
Auto-swing from 10 to 70

Gettable to 5 different levels between 10 to 70

The air direction is set automatically to the memorised position of the previous air direction.
(Initial setting is 10 for cooling .)

- Comfort even on the far side of the room

To carry air to the far side of long rooms, extra-high airflow adds 10% more fan speed the "high" setting. Air discharge strength is selected from the remote controller.

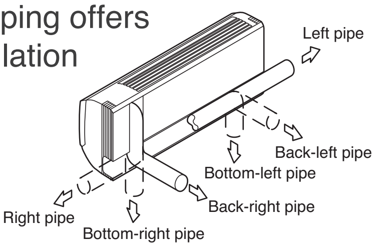


- Two selectable temperature-sensors
- Switchable fan speed: High/Middle/Low (FAQ100)
  : High/Low (FAQ71)
- Auto airflow rate (FAQ100 only when BRC1E62 is used)
- Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Easy installing and servicing

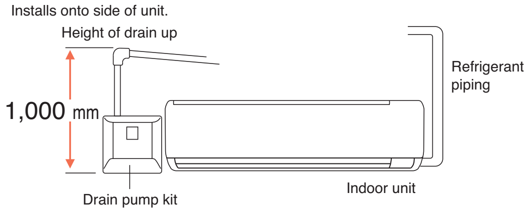
- 6-direction piping offers greater installation flexibility.



- Maintenance possible from the front of the unit

All maintenance tasks can be carried out via front access. During service work, attachment and detachment of parts is easier.

- Drain pump kit is available as option.

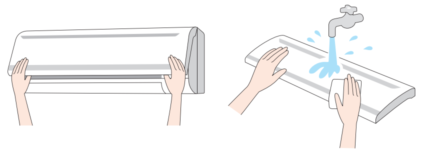


Drain pump kit can be installed on either left and right side of the air conditioner.

- Connection to a centralised control system is available without option

Easy cleaning

- Removable and washable grille

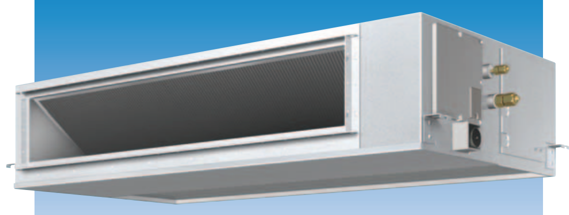


- Flat panel, easy to wipe dust off (FAQ100)
- Non-flocking flaps

Condensation does not easily form on and dirt does not cling to non-flocking flaps.
It is easy to clean.

Flexible use of space is made possible using ducts to create a room filled with comfort.

FBQ71D/100D/125D/140D



Option

Accessory required for indoor unit

Wired LCD remote controller

BRC1C61

Wireless LCD remote controller

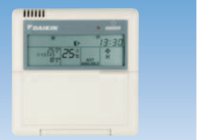
A signal receiver must be added to the indoor unit.

BRC4C64

Signal receiver unit (Separate type)

Wireless remote controller and signal receiver unit are sold as a set.

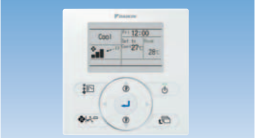
Wired LCD remote controller with weekly schedule timer



BRC1D61

Navigation Remote Controller

(Wired Remote Controller)



BRC1E62

Features

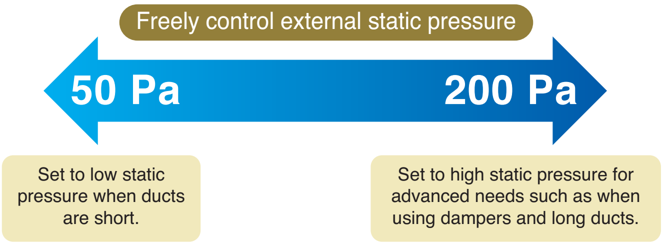
Comfort				Remote controller					Cleanliness		Work & Servicing						Control features							Option	Others
Switchable fan speed (2 step)	Programme "Dry"	Two selectable temperature-sensors	Year-round cooling applicable	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Silver ion anti-bacterial drain pan	Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DIII-NET communication standard	High efficiency filter	Anti corrosion treated heat exchangers
●	●	*1	●	*2	*2	*3	*2	*4	*5	●	●	*6	*5	●	●	●	●	●	●	●	●	●	●	●	*6

*1 Applicable when wired remote controller is used
*2 Applicable when BRC1E62 is used
*3 Applicable when BRC1D61 or BRC1E62 is used
*4 Applicable when BRC1C61 is used
*5 Option
*6 For the outdoor units

Increased freedom of design thanks to variable control over external static pressure

- Comfort airflow achieved in accordance with conditions such as duct length.

Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa to 200 Pa.



Freely control external static pressure

50 Pa

200 Pa

Set to low static pressure when ducts are short.

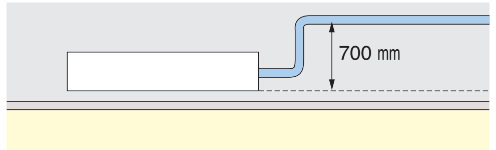
Set to high static pressure for advanced needs such as when using dampers and long ducts.

Thin, lightweight indoor unit makes delivery and installation easy.

- With a height of only 300 mm, installation is possible even in buildings with narrow ceiling spaces.

Indoor unit	71D	100D	125D	140D
Height (mm)	300			
Width (mm)	1,000	1,400		
Depth (mm)	700			
Machine Weidth (kg)	36	46		

- Drain pump is equipped as standard accessory with 700 mm lift.



Reduced installation time

- Use remote controller to adjust airflow

When testing standard integrated ceiling units that employ duct work, much time used to be required to adjust airflow to the right level. Thanks to the ability provided by Daikin to automatically perform this troublesome adjustment using a remote controller, this step is now quick and easy. (Adjust by H tap .)

1. Adjust to approximately ±10% of the rated H tap airflow.
2. Once actual operation has begun, adjustment of the rated airflow is not possible.

- Connection to a centralised control system is available without option

Quiet operation

dB(A)

	71D	100D	125D	140D
High	37	38	40	40
Low	32	33	36	36

Easy maintenance

Maintenance is easy because the drain pan can be removed.

Clean

- Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

Comfortable

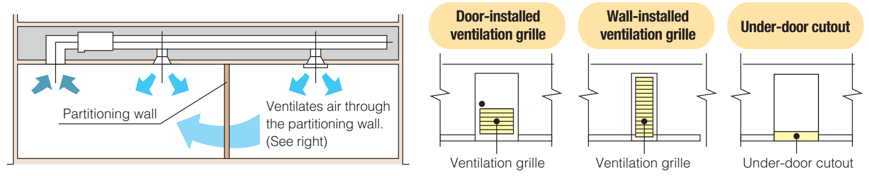
- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature- sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control.
This feature requires initial setting by the installer.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a temperature-sensor.

Simultaneous air conditioning of two rooms and ventilation grille (ventilation opening)

When air conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicated ventilation grilles should be installed on the partitioning wall or under the door between the rooms.


Partitioning wall
Ventilates air through the partitioning wall. (See right)
Door-installed ventilation grille
Wall-installed ventilation grille
Under-door cutout
Ventilation grille
Ventilation grille
Under-door cutout

Note: The under-door cutout method should be used only when there is a small volume of airflow.

OUTDOOR UNIT

RR71MV1
RR71MY1

RR100MY1

RR125MY1

RR140MY1

Easy installation and maintenance

Pre charged for up to 30 metres

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

70 m piping length

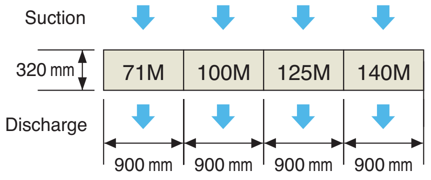
■ Allowed refrigerant pipe length and level difference

	ALL model
Pre charged[1]	30 m
Max. length	70 m (Equivalent length 90m)
Max. level difference	30 m

Note: [1] Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

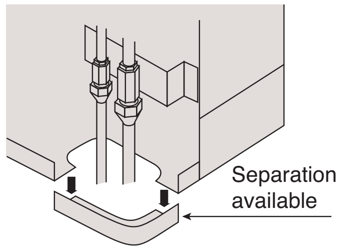
Easy centralised installation with the module oriented design

Depth of 71-140M are standardised as 320 mm. Horizontal continuous mounting is available.


Suction
320 mm
71M
100M
125M
140M
Discharge
900 mm
900 mm
900 mm
900 mm

4-direction piping offers greater layout freedom

The outer panel for the piping connection part of the front, right side and backside can be removed and is easier for post-installation piping work.


Separation available

Facilitates pump down

(Refrigerant recovery function)

A pump-down switch is provided to make it easier to collect refrigerant if the unit is to be moved or layout modified.

*Pump-down function is available for pre-charged refrigerant amount.

Compact

Slim-design and low-profile compact outdoor units

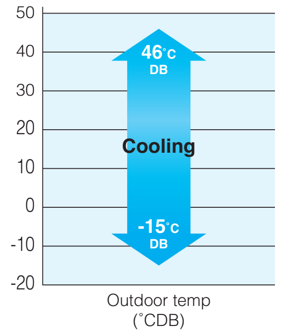
Compactly designed outdoor unit with interior layout organised for the smooth flow of air.

Operation range

Suited for year-round cooling applications

Cooling is efficient even in winter when indoor temperatures are higher than those outside, such as in underground public spaces or offices with many computers.

■ Wide operation range
(Applies to RR71-125M)



Safety

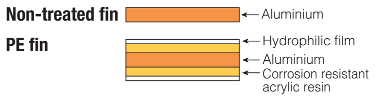
Reinforcing wire fittings (option) are available

Fittings can be mounted on the four locations, right/ left on front and back side of the outdoor unit.

Durability

Heat exchange fins provided with anti-corrosion treatment

Construction


Non-treated fin
Aluminium
PE fin
Hydrophilic film
Aluminium
Corrosion resistant acrylic resin

Example of installation service space for outdoor unit

■ For RR71MV1, RR71-140MY1

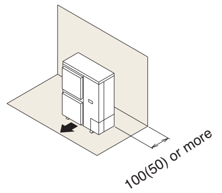
The values represent the case for the RR71-140 type. The values in ( ) are for RR71 type. (The unit values is mm.)

1 When there is an obstruction on the inlet side

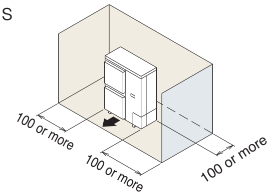
1) When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

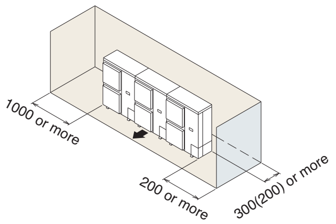

100(50) or more

When there are obstructions on both sides


100 or more
100 or more
100 or more

2. For multiple units installation (more than two units)

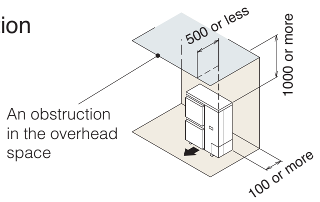
When there are obstructions on both sides


1000 or more
200 or more
300(200) or more

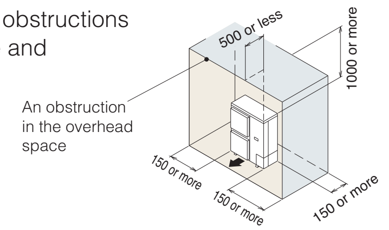
2) When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

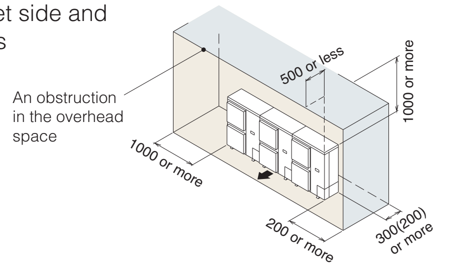

500 or less
1000 or more
An obstruction in the overhead space
100 or more

When there are obstructions on the inlet side and both sides


500 or less
1000 or more
An obstruction in the overhead space
150 or more
150 or more
150 or more

2. For multiple units installation (more than two units)

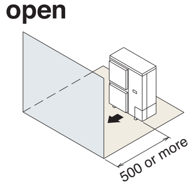
When there are obstructions on the inlet side and both sides


500 or less
1000 or more
An obstruction in the overhead space
1000 or more
200 or more
300(200) or more

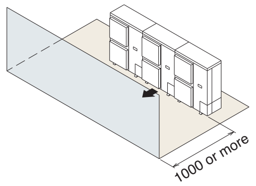
2 When there is an obstruction on the outlet side

1) When the overhead space is open

1. For single unit installation

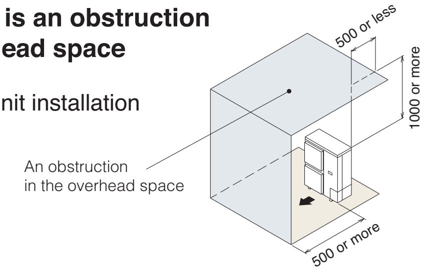


2. For multiple units installation (more than two units)

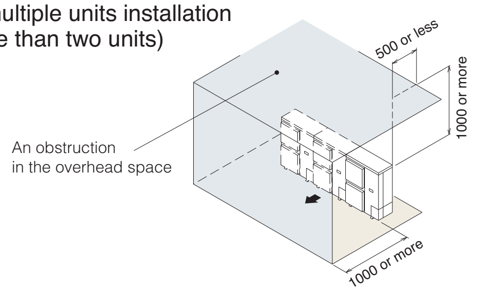

1000 or more

2) When there is an obstruction in the overhead space

1. For single unit installation


500 or less
1000 or more
An obstruction in the overhead space
500 or more

2. For multiple units installation (more than two units)


500 or less
1000 or more
An obstruction in the overhead space
1000 or more

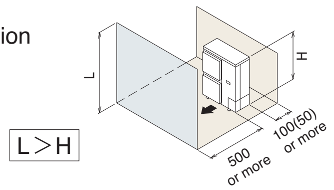
3 When there are obstructions on both the inlet and outlet sides

(When the obstruction on the outlet side is higher than the unit itself)

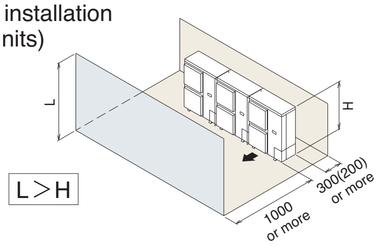
1) When the overhead space is open

(There is no limit to the height of the obstruction on the outlet side.)

1. For single unit installation


L
H
L＞H
500 or more
100(50) or more

2. For multiple units installation (more than two units)


L
H
L＞H
1000 or more
300(200) or more

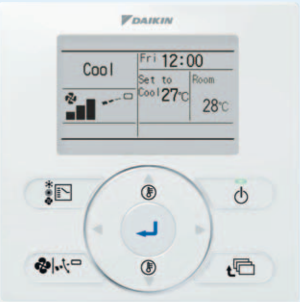
Note : As for other patterns of installation, please refer to Installation manual or Engineering Data Book.

Easy-to-read LCD remote controller allows various system control configurations and can control multiple indoor units.

Remote controller options are shown on the page introducing each indoor unit model.

Navigation Remote Controller (Wired Remote Controller BRC1E62)

NEW

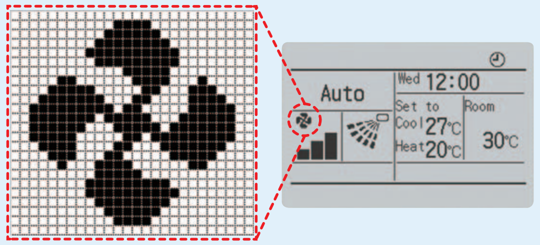


This simple, modern designed remote controller with fresh white colour matches your interior design. Operation is much easier and smoother, just follow the indications on the navigation remote controller.

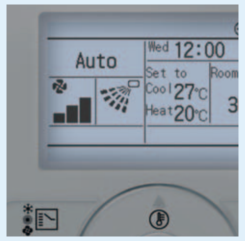
Clear Display

Dot matrix display

A combination of fine dots enables various icons. Large text display is easy to see.



Backlight display



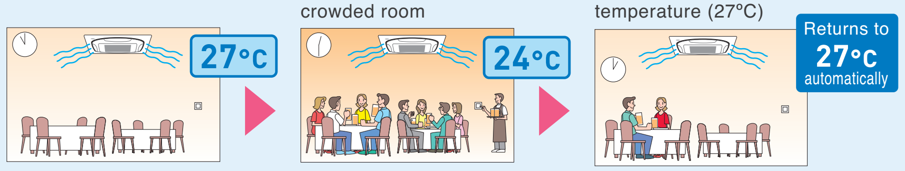
Energy saving

NEW Setpoint auto reset

- Even if the set temperature is changed, it returns to the preset temperature after apreset period of time.
- Period selectable from 30min/60min/90min/120min.

Restaurant sample

Restaurant opened	Full tables at lunchtime	After 30 minutes*
Temperature is set to 27°C	Then is lowered to 24°C for crowded room	Automatically returns to preset temperature (27°C)



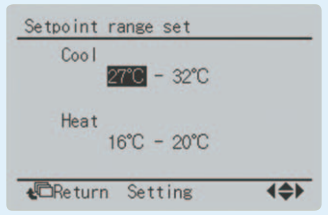
*Setting possible for after 30, 60, 90, and 120 minutes.

Off timer (programmed)

- Turns off the air conditioner after a preset period of time.
- Period can be preset from 30 to 180 minutes in10-minute increments.

NEW Setpoint range set

- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient when the remote controller is installed at a place where any number of people may operate it.



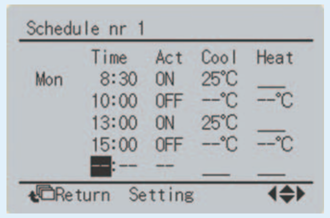
```
Setpoint range set
 Cool
    27°C - 32°C

 Heat
    16°C - 20°C
Return  Setting
```

Convenience

Weekly schedule

- 5 actions per day can be scheduled for each day of the week.
- The holiday function will disable schedule timer for the days that have been set as holiday.
- **NEW** - 3 independent schedules can be set. (e.g. summer, winter, mid-season)



```
Schedule nr 1
        Time   Act  Cool  Heat
Mon      8:30  ON   25°C  ___
        10:00  OFF  --°C  --°C
        13:00  ON   25°C  ___
        15:00  OFF  --°C  --°C
        --:--  --   ___   ___
Return  Setting
```

Multilingual display

Display is available in 11 languages.

(English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian, Turkish, and Polish).

Wired LCD remote controller

Easy to read because of large LCD screen.

BRC1C61

- The rubber switch and the oil-resistant plastic casing are adopted for durability.
- Only 17 mm thick. Can be installed either recessed or exposed.

Wired LCD remote controller with weekly schedule timer

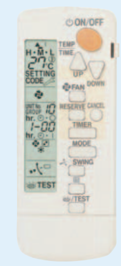
Remote control is equipped with weekly timer function.

BRC1D61

- 24-hour clock function.
- Programming function for each day of week.
- Scheduling possible of start/stop and temperature limit (5 settings/day).

LCD wireless remote controller

Light receptor mounted type



Wireless remote controller

BRC7F633F

Signal receiver unit (For ceiling mounted cassette type)

- The wireless remote controller is supplied in a set with a signal receiver.
- Shape of signal receiver unit differs according to the indoor unit.

Note: The signal receiver unit shown in the photograph is for mounting inside the decoration panel of the ceiling mounted cassette type.

Indoor units applicable for the remote controller

Signal receiver unit is contained inside decoration panel or indoor unit

CEILING MOUNTED CASSETTE TYPE		BRC7F633F
CEILING SUSPENDED TYPE		BRC7EA66
WALL MOUNTED TYPE	71BV	BRC7EA619
	100C	BRC7EB519
DUCT CONNECTION MIDDLE HIGH STATIC PRESSURE TYPE		BRC4C64

Wired remote controller has built-in temperature-sensor

(Applies to wired remote controllers (BRC1C61,BRC1D61,BRC1E62))

- Enables temperature sensing closer to target area for improved comfort. (When using remote control from another room, temperature-sensor in indoor unit's air inlet must be selected.)

Facilitates maintenance and repair

- All initial settings can be set from the remote controller. After interior construction is complete, ceiling mounted cassette type can be remotely set without having to use stepladder access for manual setting.
  Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically).
- Remote controller is equipped with model name and failure display functions. This facilitates service in the unlikely event of a malfunction.
  (Applies to wired remote controller (BRC1E62))

SkyAir shares common control with Heat Reclaim Ventilator and the other Daikin air-conditioning units, thus simplifying interlocking operations.

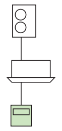
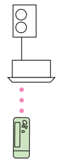
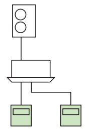
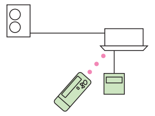
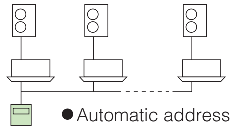
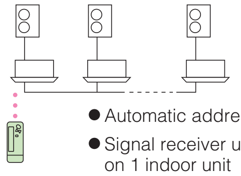
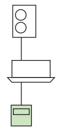
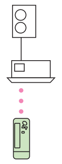
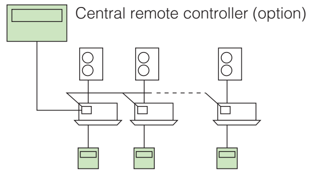
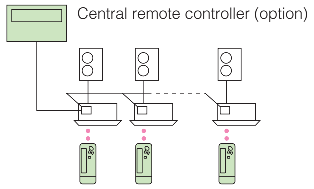
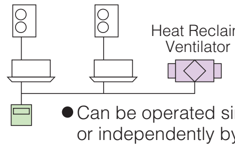
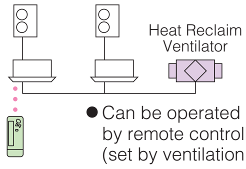
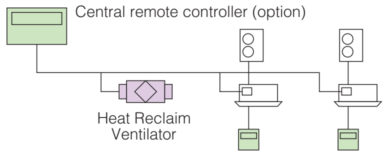
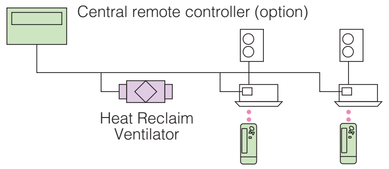
- Easily adaptable to large-scale, high-function, centralised remote control systems.
  Installing and connecting control wiring between SkyAir and other Daikin air-conditioning equipment is easy.

*Please refer to page 17 for more details.

LCD panel shows operating status in letters, numbers, and motion.

Airflow / swing display	Displays auto-swing operating status and setting position of air discharge angle.
Preset temperature / operation mode display	Displays preset room temperature and operating status (fan, dry, cool).
Programming time display	Operation start and stop time can be set for individual timers up to 72 hours. The LCD also shows when it is time to clean the filter, when changeover is under centralised control, and ventilation/cleaning.
Self-diagnosis function	Monitors operating status within the system covering 40 items, and displays a message to indicate as soon as a malfunction occurs.

Simple system provides a diverse assortment of control modes.

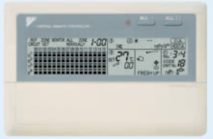
	Control pattern	Wired remote controller	Wireless remote controller
Control by 1 remote controller	(Basic system)	 ● Non-polar, double-core (max. wiring length 500 m)	 ● Signal receiver unit installed on indoor unit
Control by 2 remote controllers	For control from 2 locations such as in room and control room, exits, etc.	 ● Connects 2 wired remote controllers (See note 1)	 ● Control by 1 wireless remote controller and 1 wired remote controller (See note 2, 3) ● Signal receiver unit installed on indoor unit
Group control	For simultaneous control of up to 16 indoor units.	 ● Automatic address setting function	 ● Automatic address setting function ● Signal receiver unit installed on 1 indoor unit
Control by external command	Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.	 ● Optional wiring adaptor for electrical appendices is necessary	 ● Optional wiring adaptor for electrical appendices is necessary
Centralised remote control	Centralised control of up to 64 indoor groups from remote location up to 1 kilometer away.	 ● Optional SkyAir series interface adaptor required (See note 4)	 ● Optional SkyAir series interface adaptor required (See note 4)
Interlock control with Heat Reclaim Ventilator	Link by remote controller group control.	 ● Can be operated simultaneously or independently by remote controller (set by ventilation mode)	 ● Can be operated simultaneously by remote controller (set by ventilation mode)
	Zone link control by centralised control.	 ● Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking Can also be operated independently by remote controller.	 ● Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking

Note:1.BRC1E62 can connect to BRC1E62 only.
2.It is not possible to use two wireless remote controllers.
3.BRC1E62 cannot connect to wireless remote controller.
4.The ceiling mounted cassette type <Round Flow>, wall mounted type, and duct connection middle/high static pressure type come standard with an interface adaptor for SkyAir series.

Easily adaptable to large-scale, high-function, centralised remote control system.

Central remote controller

DCS302CA61 (Option)



Centralised control, with setting as simple as it is with a standard remote controller, of up to 64 groups (1,024 indoor units) is possible.

Unified on/off controller

DCS301BA61 (Option)

Centralised control of on/off by group or all at once for up to 256 indoor units.

Schedule timer

DST301BA61 (Option)

Unified control of weekly schedule for up to 1,024 indoor units.

Schedule timer sets on/off time in 1 minute units to be executed twice a day for a week at a time.

intelligent touch Controller

DCS601C51 (Option)

With its high functionality, the full colour “all-in-one” graphic controller facilitates management of SkyAir System in a variety of ways.

Interface adaptor for SkyAir series

DTA112BA51 (Option)

Enables centralised control via connection to a high-speed, DIII-NET communication system, adopted for the Daikin VRV system.

Necessary for interface adaptor for SkyAir series with the central remote control units shown at above.

- The interface adaptor for the SkyAir series is optional except for the ceiling mounted cassette type <Round Flow>, wall mounted type, and the duct connection middle/high static pressure type.

Abundance of functions that provide comfortable air-conditioning in stores and offices.

- Note: Some features only available on selected models. See model pages for full list of features applicable to each unit.

Comfort

Auto-swing

Delivers comfortable air-conditioning to all areas, near to and far from the air-conditioner.

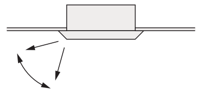
- The air flow direction can be fixed at your desited angle by the remote controller.

Swing pattern selection

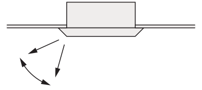
(standard, ceiling soiling prevention)

You can freely set 2 air discharge setting by remote controller.

(1) Air direction in standard setting



(2) Air direction in ceiling soiling prevention setting



Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

Auto airflow rate

Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature. Useful for reducing uncomfortable humidity without uncomfortable cooling of the room.

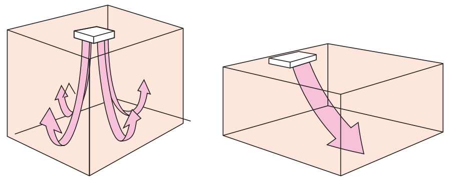
High fan speed mode

You can increase fan speed approximately 10% higher than the "high" setting.

- Applicable for wall mounted type

High-ceiling application

Delivers air-conditioning comfort all the way down to the floor in air-conditioning zones with high ceilings.

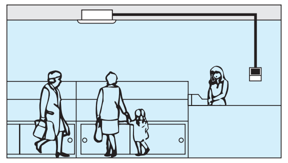


Note:When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

Two selectable temperature-sensors

Temperature-sensors are included in the indoor unit and optional wired remote controller. Temperature sensing closer to target area is possible to further increase the comfort level.

- Use the temperature-sensor in the indoor unit when controlling air conditioning from another room.



Note: Wireless remote controllers have no temperature-sensor.

Year-round cooling applicable

Efficient cooling even in winter when indoor temperatures are higher than those outside, such as in underground public spaces or offices with many computers.

- The year-round cooling kit is required as option.

Remote Controller

Setpoint auto reset

Even if the set temperature is changed, it returns to the preset temperature after a preset period of time.

Setpoint range set

Saves energy by limiting the minimum and maximum set temperatures. Avoids excessive heating and cooling.

Weekly schedule timer

Up to five operation ON/OFF settings can be programmed per day for each day of the week. Not only can the time be set for the operation ON setting, but also the temperature.

Off timer (programmed)

Sets and saves setting for an increment of time that automatically turns off air conditioner after a preset period of time for each time operation starts.

On/Off timer

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

Cleanliness

Anti-bacterial air filter

The Air filter has a anti-bacterial treatment to help prevent the growth of bacteria and mould on it.

Mould-proof air filter

Sanitary filter has mould-resistant treatment.

Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

Mould-proof drain pan

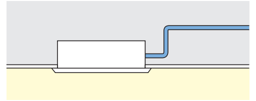
Mould-proof drain pan prevents growth of mould in highly humid conditions.

• Note: Some features only available on selected models. See model pages for full list of features applicable to each unit.

Work and Servicing

Drain pump mechanism

Steeper gradient realises more efficient condensate drainage. High-lift is especially useful for long lengths of drain piping.



Pre charged for up to 30 metres

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

Long-life filter

Maintenance is not required for one year (two years when a ceiling mounted cassette type is used).

Ceiling soiling prevention function

Daikin's innovative air discharge mechanism keeps airflow away from the ceiling. Ceiling cleaning is less frequently required.

Filter sign

The filter sign warns you when it is time to clean the filter.

*When using a wired remote controller the sign is displayed in the LCD. When using a wireless remote controller the filter sign lamp illuminates on the signal receiver unit.

Emergency operation

If there is a malfunction elsewhere in the system, the fan or compressor can still be operated.

Self diagnosis function

The operating parameters of indoor and outdoor units, and sensor data at critical locations throughout the system, are constantly monitored using a microcomputer. To facilitate quick response in the event of a malfunction, a message appears on the LCD of the remote controller and an LED on the unit illuminates.

Control features

Auto-restart

If there is a power outage while the equipment is operating, operations will restart in the same mode as before the power cut when electricity is restored.

Control by 2 remote controllers

Using 2 remote controllers you can operate the equipment locally or from a remote location.

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.

Group control by 1 remote controller

You can turn up to 16 indoor units on/off with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)

External command control

Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.

*Required for KRP58M51 (Option)

Central remote control

Optional central remote controller enables centralised control of up to 1024 indoor units (64 groups) from up to 1 kilometer away.

Interlock control

Enables interlocking control with external equipment such as Heat Reclaim Ventilator.

DIII-NET communication standard

Standardly equipped interface enables connection to centralised control system without need of an adaptor.

Options

Ultra long-life filter

Requires no maintenance for about 4 years* (10,000h) in stores and offices.

*For dust concentration of 0.15 mg/m³

High-efficiency filter unit

Two types are available: 65% and 90% colorimetry.

Fresh-air intake kit

You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.

Note: *Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.
**Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63)is required for interlocking.
***It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating noise and may also influence temperature sending.

Others

Anti corrosion treated heat exchangers

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated Anti corrosion treated heat exchangers (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.
In high corrosive areas, regular maintenance needs to be carried out.

SPECIFICATIONS

CEILING MOUNTED CASSETTE TYPE

				71	100	125	140
Model Name	**Indoor unit**			**FCQ71LUV1**	**FCQ100LUV1**	**FCQ125LUV1**	**FCQ140LUV1**
	Outdoor unit			**RR71MV1** **RR71MY1**	**RR100MY1**	**RR125MY1**	**RR140MY1**
Power supply				**V1** 1 Phase, 220–230 V, 50 Hz **Y1** 3 Phase, 380–415 V, 50 Hz	3 Phase, 380–415 V, 50 Hz		
Cooling capacity[1]			kW	7.7	10.5	12.8	14.2
Power consumption	Cooling[1]		kW	2.72(V1), 2.66(Y1)	3.60	4.66	5.02
Indoor unit	Colour	Unit		———			
		Decoration panel		Fresh white			
	Airflow rate (H/L)		m³/min	21/13.5	32/20	33/22.5	
			cfm	741/477	1,129/706	1,164/794	
	Sound level (H/L)[2]		dB(A)	35/28	43/32	44/34	44/36
	Dimensions (H×W×D)	Unit	mm	256×840×840	298×840×840		
		Decoration panel	mm	50×950×950			
	Machine weight	Unit	kg	21	24		
		Decoration panel	kg	5.5			
	Certified Operation range	Cooling	°CWB	12 to 25			14 to 25
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	2.2	3.0	3.75	2.84
	Refrigerant charge (R-410A)		kg	2.7 (Charged for 30 m)	3.7 (Charged for 30 m)		4.3 (Charged for 30 m)
	Sound level[2]	Cooling	dB(A)	50	53		54
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320		1,345×900×320
	Machine weight		kg	83(V1), 81(Y1)	99	106	108
	Certified Operation range	Cooling	°CDB	-15 to 46			-5 to 46
Piping connections	Liquid (Flare)		mm	ø9.5			
	Gas (Flare)		mm	ø15.9			
	Drain	Indoor unit	mm	VP25 (O.Dø32 × I.Dø25)			
		Outdoor unit	mm	ø26.0 (Hole)			
Max. interunit piping length			m	70 (Equivalent length 90m)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :

[1] Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

[2] Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

CEILING SUSPENDED TYPE

				71	100	125
Model Name	**Indoor unit**			**FHQ71BVV1B**	**FHQ100BVV1B**	**FHQ125BVV1B**
	Outdoor unit			**RR71MV1** **RR71MY1**	**RR100MY1**	**RR125MY1**
Power supply				**V1** 1 Phase, 220–230 V, 50 Hz **Y1** 3 Phase, 380–415 V, 50 Hz	3 Phase, 380–415 V, 50 Hz	
Cooling capacity[1]			kW	7.1	9.8	12.2
Power consumption			kW	2.75(V1), 2.70(Y1)	3.53	4.51
Indoor unit	Colour			White		
	Airflow rate (H/L)		m³/min	17/14	24/20	30/25
			cfm	600/494	847/706	1,059/883
	Sound level (H/L)[2]		dB(A)	39/35	42/37	44/39
	Dimensions (H×W×D)		mm	195×1,160×680	195×1,400×680	195×1,590×680
	Machine weight		kg	27	32	35
	Certified operation range		°CWB	12 to 25		
Outdoor unit	Colour			Ivory white		
	Compressor	Type		Hermetically sealed scroll type		
		Motor output	kW	2.2	3.0	3.75
	Refrigerant charge (R-410A)		kg	2.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
	Sound level[2]		dB(A)	50	53	
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	
	Machine weight		kg	83(V1), 81(Y1)	99	106
	Certified operation range		°CDB	-15 to 46		
Piping connections	Liquid (Flare)		mm	ø9.5		
	Gas (Flare)		mm	ø15.9		
	Drain	Indoor unit	mm	VP20 (O.Dø26 × I.Dø20)		
		Outdoor unit	mm	ø26.0 (Hole)		
Max. interunit piping length			m	70 (Equivalent length 90m)		
Max. installation level difference			m	30		
Heat insulation				Both liquid and gas piping		

Note :

[1] Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

[2] Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

SPECIFICATIONS

WALL MOUNTED TYPE

				71	100
Model Name	**Indoor unit**			**FAQ71BVV1B**	**FAQ100CVEA**
	Outdoor unit			**RR71MV1** **RR71MY1**	**RR100MY1**
Power supply				**V1** 1 Phase, 220–230 V, 50 Hz **Y1** 3 Phase, 380–415 V, 50 Hz	3 Phase, 380–415 V, 50 Hz
Cooling capacity[1]			kW	7.6	10.0
Power consumption	Cooling[1]		kW	2.93(V1), 2.87(Y1)	3.72
Indoor unit	Colour			White	Fresh white
	Airflow rate (H/M/L)		m^3/min	19/-/15	26/23/19
			cfm	671/-/530	918/812/671
	Sound level (H/M/L)[2]		dB(A)	43/-/37	49/45/41
	Dimensions (H×W×D)		mm	290×1,050×230	340×1,200×240
	Machine weight		kg	13	17
	Certified Operation range		°CWB	12 to 25	
Outdoor unit	Colour			Ivory white	
	Compressor	Type		Hermetically sealed scroll type	
		Motor output	kW	2.2	3.0
	Refrigerant charge (R-410A)		kg	2.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level[2]	Cooling	dB(A)	50	53
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320
	Machine weight		kg	83(V1), 81(Y1)	99
	Certified Operation range		°CDB	-15 to 46	
Piping connections	Liquid (Flare)		mm	ø9.5	
	Gas (Flare)		mm	ø15.9	
	Drain	Indoor unit	mm	VP13 (O.Dø18 × I.Dø13)	
		Outdoor unit	mm	ø26.0 (Hole)	
Max. interunit piping length			m	70 (Equivalent length 90m)	
Max. installation level difference			m	30	
Heat insulation				Both liquid and gas piping	

Note :

[1] Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

[2] Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

					71	100	125	140
Model Name	**Indoor unit**				**FBQ71DV1**	**FBQ100DV1**	**FBQ125DV1**	**FBQ140DV1**
	Outdoor unit				**RR71MV1** **RR71MY1**	**RR100MY1**	**RR125MY1**	**RR140MY1**
Power supply	**Indoor unit**				1 Phase, 220–240 V, 50 Hz			
	Outdoor unit				**V1** 1 Phase, 220–230 V, 50 Hz **Y1** 3 Phase, 380–415 V, 50 Hz	3 Phase, 380–415 V, 50 Hz		
Cooling capacity[1]				kW	7.1	10.0	12.2	14.1
Power consumption	Cooling			kW	2.85(V1), 2.80(Y1)	3.70	4.76	5.07
Indoor unit	Colour				——			
	Fan	Airflow rate (H/L)	Cooling	m^3/min	18/15	32/23	39/28	
				cfm	635/530	1,130/812	1,377/988	
	External static pressure[2]			Pa	50-200			
	Sound level[3]	Cooling (H/L)		dB(A)	37/32	38/33	40/36	
	Dimensions (H×W×D)			mm	300×1,000×700	300×1,400×700		
	Machine weight			kg	36	46		
	Certified Operation range	Cooling		°CWB	12 to 25			14 to 25
Outdoor unit	Colour				Ivory white			
	Compressor	Type			Hermetically sealed scroll type			
		Motor output		kW	2.2	3.0	3.75	3.0
	Refrigerant charge (R-410A)			kg	2.7 (Charged for 30 m)	3.7 (Charged for 30 m)		4.3 (Charged for 30 m)
	Sound level[3]	Cooling		dB(A)	50	53		54
	Dimensions (H×W×D)			mm	770×900×320	1,170×900×320		1,345×900×320
	Machine weight			kg	83(V1) 81(Y1)	99	106	108
	Certified Operation range	Cooling		°CDB	-15 to 46			-5 to 46
Piping connections	Liquid (Flare)			mm	ø9.5			
	Gas (Flare)			mm	ø15.9			
	Drain	Indoor unit		mm	VP25 (O.Dø32 × I.Dø25)			
		Outdoor unit		mm	ø26 (Hole)			
Max. interunit piping length				m	70 (Equivalent length 90m)			
Max. installation level difference				m	30			
Heat insulation					Both liquid and gas piping			

Note :

[1] Rated cooling capacities are based on the following conditions: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

[2] Initial setting is standard.

[3] Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

OPTIONS

Indoor unit

CEILING MOUNTED CASSETTE TYPE

Name of option		Remark		Kit name			
				FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1
Decoration panel				BYCP125K-W1			
Sealing material of air discharge outlet				KDBH55K160F			
Panel spacer				KDBP55H160FA			
Fresh air intake kit[1]	Chamber type	Without the T-joint pipe and fan		KDDP55B160			
		With the T-joint pipe, without fan		KDDP55B160K			
	Direct installation type			KDDP55X160			
Chamber connection kit[2]				KKSJ55KA160			
Insulation kit for high humidity				KDTP55K80	KDTP55K160		
High-efficiency filter		(Colorimetric method 65%)		KAFP556B80	KAFP556B160		
		(Colorimetric method 90%)		KAFP557B80	KAFP557B160		
Replacement high-efficiency filter		(Colorimetric method 65%)		KAFP552B80	KAFP552B160		
		(Colorimetric method 90%)		KAFP553B80	KAFP553B160		
Filter chamber				KDDFP55B160			
Replacement long-life filter				KAFP551K160			
Ultra long-life filter				KAFP55B160			
Replacement ultra long-life filter				KAFP55H160H			
Branch duct chamber				KDJP55B80	KDJP55B160		
Remote controller		Wired type[3]		BRC1C61			
		Wireless type	Cooling only	BRC7F633F			
Wired LCD remote controller with weekly schedule timer[3]				BRC1D61			
Navigation Remote Controller		Wired type[3]		BRC1E62			
Central remote controller[4]				DCS302CA61			
Unified ON/OFF controller[4]				DCS301BA61			
Schedule timer[4]				DST301BA61			
İntelligent Touch Controller[4]				DCS601C51			
Adaptor for wiring[5]				KRP1C63			
Wiring adaptor for electrical appendices[5]				KRP4AA53			
Installation box for adaptor PCB				KRP1H98			
Remote sensor (for indoor temperature)				KRCS01-4B			

Note: [1] Refer to page 6 for the details.
[2] Required for installing high-efficiency filter or ultra long-life filter.
[3] Wiring for wired remote controller to be procured locally.
[4] The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
[5] Installation box for adaptor PCB (KRP1H98) is necessary.

Round flow type: List of optional parts required to achieve different flow patterns

For each flow pattern – all round, 4-way, 3-way, 2-way, branch duct connection – the compatibility of each independently installed option (shown in the column on the left) to accessory options (listed across the top of each table) is shown in the cells where the relevant row and column intersect.
A circle (**O**) indicates compatibility, and a cross (**X**) indicates incompatibility. Any options not shown below are not suitable for independent or accessory installation.

All round flow 4-way flow

Independently installable optional parts	Optional accessory parts	Panel spacer[1]	Wireless remote controller	Fresh air intake kit (Chamber type)[1,2]	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter[2]	Ultra-long-life filter[2]
Panel/grille related	Panel spacer[1]		O	O	O	X	O	O
Operation control related	Wireless remote controller	O		O	O	O	O	O
Auxillary function related	Fresh air intake kit (Chamber type)[1,2]	O	O		X	X	O	O
	Fresh air intake kit (direct mount)	O	O	X		O	O	O
	High-humidity operation kit	X	O	X	O		X	X
Filter related	High-efficiency filter[2]	O	O	O	O	X		X
	Ultra-long-life filter[2]	O	O	O	O	X	X	

3-way flow 2-way flow

Independently installable optional parts	Optional accessory parts	Panel spacer[1]	Wireless remote controller	Fresh air intake kit (Chamber type)[1,2]	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter[2]	Ultra-long-life filter[2]
Panel/grille related	Panel spacer[1]		O[3]	O[3]	O[3]	X	X	O[3]
Operation control related	Wireless remote controller	O[3]		O	O	O	X	O
Auxillary function related	Fresh air intake kit (Chamber type)[1,2]	O[3]	O		X	X	X	O
	Fresh air intake kit (direct mount)	O[3]	O	X		O	X	O
	High-humidity operation kit	X	O	X	O		X	X
Filter related	Ultra-long-life filter[2]	O[3]	O	O	O	X	X	

Branch duct connection

Independently installable optional parts	Optional accessory parts	Panel spacer[1]	Wireless remote controller	Fresh air intake kit (Chamber type)[1,2]	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter[2]	Ultra-long-life filter[2]
Branch duct[1] (Chamber type) (Round duct type)	1-way branch / unit 3-way flow	O	O	O	O[4]	X	X	O
	2-way branch / unit 2-way flow	X	O	O	O[4]	X	X	O
	1-way branch / unit 2-way flow	X	O	O	O[4]	X	X	O

[1] In some cases, depending on how the unit is embedded in the ceiling, use of branch ducts and fresh air intake kits may not be possible. Before starting installation work make sure to check whether or not joint installation is possible. In particular, ensure that the lower fixing position caused by the addition of panel spacers is acceptable.
[2] Use a chamber connection kit if two different types of optional chamber are used together. In this case, the fresh air intake kit must be installed in the upper position.
[3] It is not possible to use panel spacers in a 2-way flow installation.
[4] It is not possible to install a branch duct on the same side to which a fresh air intake kit (direct mount) is installed.

OPTIONS

Indoor unit

CEILING SUSPENDED TYPE

Name of option	Remark		Kit name		
			FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B
Replacement long-life filter	Resin net		KAF501DA80	KAF501DA112	KAF501DA160
Drain-up kit			KDU50N125VE		
L-type piping kit (for upward direction)			KHFP5MA160		
Remote controller	Wired type[1]		BRC1C61		
	Wireless type	Cooling only	BRC7EA66		
Wired LCD remote controller with weekly schedule timer[1]			BRC1D61		
Navigation Remote Controller	Wired type[1]		BRC1E62		
Central remote controller[2]			DCS302CA61		
Unified ON/OFF controller[2]			DCS301BA61		
Schedule timer[2]			DST301BA61		
İntelligent Touch Controller[2]			DCS601C51		
Adaptor for wiring			KRP1BA54		
Wiring adaptor for electrical appendices[3]			KRP4AA52		
Interface adaptor for SkyAir series			DTA112BA51		
Installation box for adaptor PCB			KRP1CA93		
Remote sensor (for indoor temperature)			KRCS01-1B		
Electrical box with earth terminal (3 blocks)			KJB311AA		
Electrical box with earth terminal (2 blocks)			KJB212AA		

Note: [1] Wiring for wired remote controller to be procured locally.
[2] This optional accessory requires DTA112BA51.
[3] Installation box for adaptor PCB (KRP1CA93) is necessary.

WALL MOUNTED TYPE

Name of option	Remark		Kit name	
			FAQ71BVV1B	FAQ100CVEA
Drain-up kit			K-KDU572EVE	
Remote controller	Wired type[1]		BRC1C61	
	Wireless type	Cooling only	BRC7EA619	BRC7EB519
Wired LCD remote controller with weekly schedule timer[1]			BRC1D61	
Navigation Remote Controller	Wired type[1]		BRC1E62	
Remote sensor (for Indoor temperature)			KRCS01-1B	KRCS01-4B
Central remote controller[2]			DCS302CA61	
Unified ON/OFF controller[2]			DCS301BA61	
Schedule timer[2]			DST301BA61	
İntelligent Touch Controller[2]			DCS601C51	
Wiring adaptor for electrical appendices[3]			KRP4AA51	
Installation box for adaptor PCB			KRP4AA93	
Electrical box with earth terminal (3 blocks)			KJB311AA	
Electrical box with earth terminal (2 blocks)			KJB212AA	
Noise filter (For electromagnetic interface use only)			KEK26-1A	

Note: [1] Wiring for wired remote controller to be procured locally.
[2] The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
[3] Installation box for adaptor PCB (KRP4AA93) is necessary.

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

Name of option	Remark		Kit name			
			FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1
High-efficiency filter[1]	(Colorimetric method 65%)		KAF372AA80	KAF372AA160		
	(Colorimetric method 90%)		KAF373AA80	KAF373AA160		
Filter chamber			KDDF37AA80	KDDF37AA160		
Replacement long-life filter			KAF371AA80	KAF371AA160		
Replacement long-life filter chamber kit			KAF375AA80	KAF375AA160		
Service panel			KTB25KA80W	KTB25KA160W		
			KTBJ25K80F	KTBJ25K160F		
			KTBJ25K80T	KTBJ25K160T		
Air discharge adaptor			KDAJ25K71A	KDAJ25K140A		
Remote controller	Wired type[2]		BRC1C61			
	Wireless type	Cooling only	BRC4C64			
Wired LCD remote controller with weekly schedule timer[2]			BRC1D61			
Navigation Remote Controller	Wired type[2]		BRC1E62			
Adaptor for wiring (interlock for fresh air intake fan)			KRP1C64 ★			
Wiring adaptor for electrical appendices			KRP4AA51 ★			
Remote sensor			KRCS01-4B			
Mounting plate for adaptor PCB.[3]			KRP4A96 [5,6]			
Central remote controller[4]			DCS302CA61			
Unified ON/OFF controller[4]			DCS301BA61			
Schedule timer[4]			DST301BA61			
İntelligent Touch Controller[4]			DCS601C51			

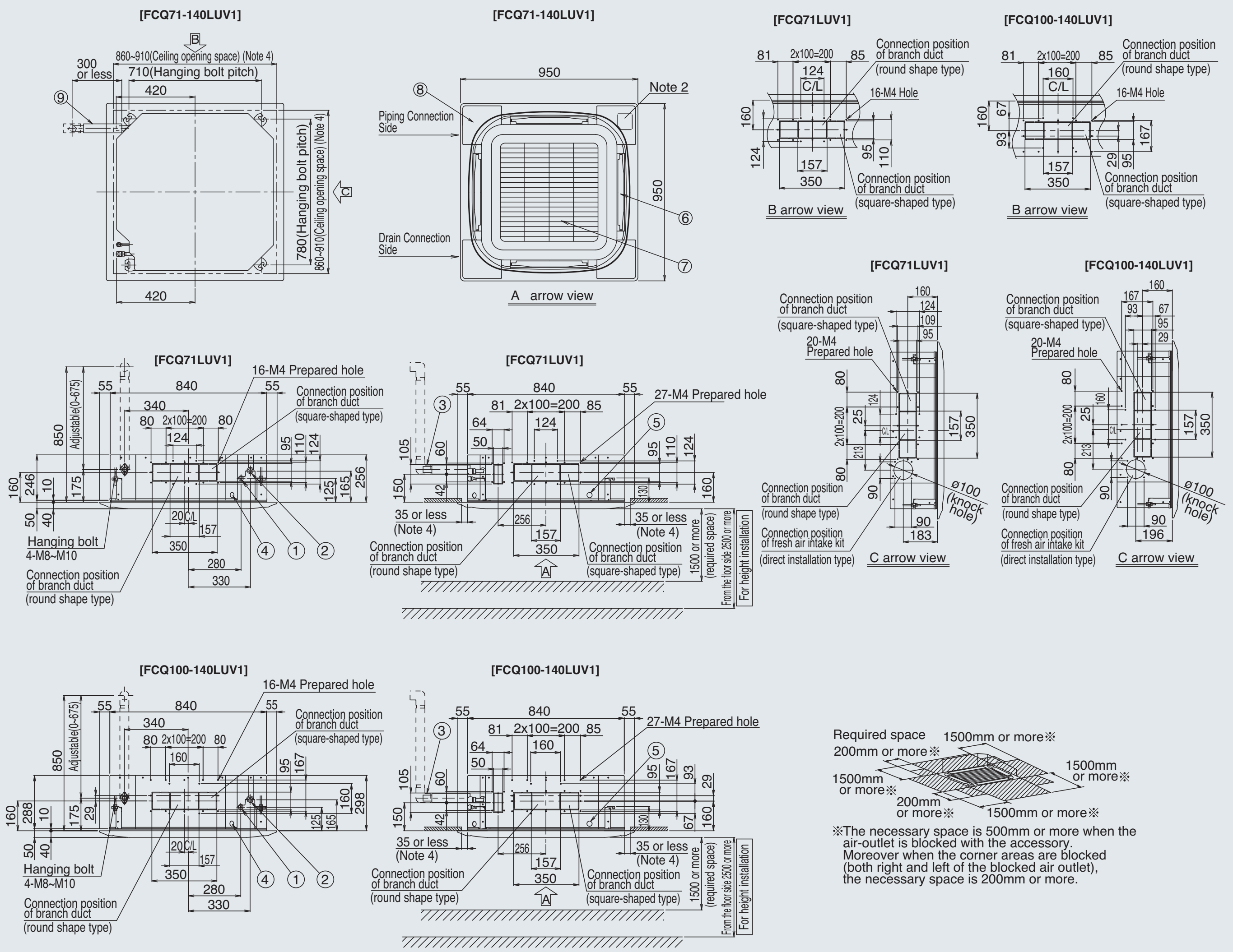
Note: [1] If installing a high efficiency filter on the unit, an assembly chamber for either bottom or rear suction is required.
[2] Wiring for wired remote controller to be procured locally.
[3] Mounting plate for adaptor PCB is necessary for each adaptor marked ★.
[4] The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
[5] Up to 2 adaptors can be fixed for each mounting plate.
[6] Only one mounting plate can be installed for each indoor unit.

Outdoor unit

Name of option	Kit name			
	RR71MV1/Y1	RR100MY1	RR125MY1	RR140MY1
Central drain plug	KKPJ5F180			

DIMENSIONS (Unit: mm)

CEILING MOUNTED CASSETTE TYPE


[FCQ71-140LUV1]
860~910(Ceiling opening space) (Note 4)
300 or less
710(Hanging bolt pitch)
420
780(Hanging bolt pitch)
860~910(Ceiling opening space) (Note 4)
B
C
⑨
420
[FCQ71-140LUV1]
950
Note 2
⑧
Piping Connection Side
Drain Connection Side
950
⑥
⑦
A arrow view
[FCQ71LUV1]
81
2x100=200
85
124
C/L
16-M4 Hole
160
124
157
350
95
110
Connection position of branch duct (round shape type)
Connection position of branch duct (square-shaped type)
B arrow view
[FCQ100-140LUV1]
81
2x100=200
85
160
C/L
16-M4 Hole
160
67
93
29
95
167
157
350
Connection position of branch duct (round shape type)
Connection position of branch duct (square-shaped type)
B arrow view
[FCQ71LUV1]
Connection position of branch duct (square-shaped type)
20-M4 Prepared hole
160
124
109
95
80
25
124
2x100=200
157
350
80
90
ø100 (knock hole)
90
183
Connection position of branch duct (round shape type)
Connection position of fresh air intake kit (direct installation type)
C arrow view
[FCQ100-140LUV1]
Connection position of branch duct (square-shaped type)
20-M4 Prepared hole
160
167
93
67
95
29
80
25
160
2x100=200
157
350
80
90
ø100 (knock hole)
90
196
Connection position of branch duct (round shape type)
Connection position of fresh air intake kit (direct installation type)
C arrow view
[FCQ71LUV1]
16-M4 Prepared hole
55
840
55
340
80
2x100=200
80
124
Connection position of branch duct (square-shaped type)
850
Adjustable(0~675)
160
246
10
175
50
40
95
110
124
125
165
256
20
C/L
157
350
280
330
Hanging bolt 4-M8~M10
Connection position of branch duct (round shape type)
④
①
②
[FCQ71LUV1]
55
840
55
27-M4 Prepared hole
③
81
2x100=200
85
64
124
50
⑤
105
60
95
110
124
150
42
160
35 or less (Note 4)
256
157
350
35 or less (Note 4)
Connection position of branch duct (round shape type)
Connection position of branch duct (square-shaped type)
A
1500 or more (required space)
From the floor side 2500 or more
For height installation
[FCQ100-140LUV1]
16-M4 Prepared hole
55
840
55
340
80
2x100=200
80
160
Connection position of branch duct (square-shaped type)
850
Adjustable(0~675)
160
288
10
175
29
50
40
95
167
160
298
125
165
20
C/L
157
350
280
330
Hanging bolt 4-M8~M10
Connection position of branch duct (round shape type)
④
①
②
[FCQ100-140LUV1]
55
840
55
27-M4 Prepared hole
③
81
2x100=200
85
64
160
50
⑤
105
60
95
167
93
29
150
42
67
160
35 or less (Note 4)
256
157
350
35 or less (Note 4)
Connection position of branch duct (round shape type)
Connection position of branch duct (square-shaped type)
A
1500 or more (required space)
From the floor side 2500 or more
For height installation
Required space
1500mm or more※
200mm or more※
1500mm or more※
1500mm or more※
200mm or more※
1500mm or more※

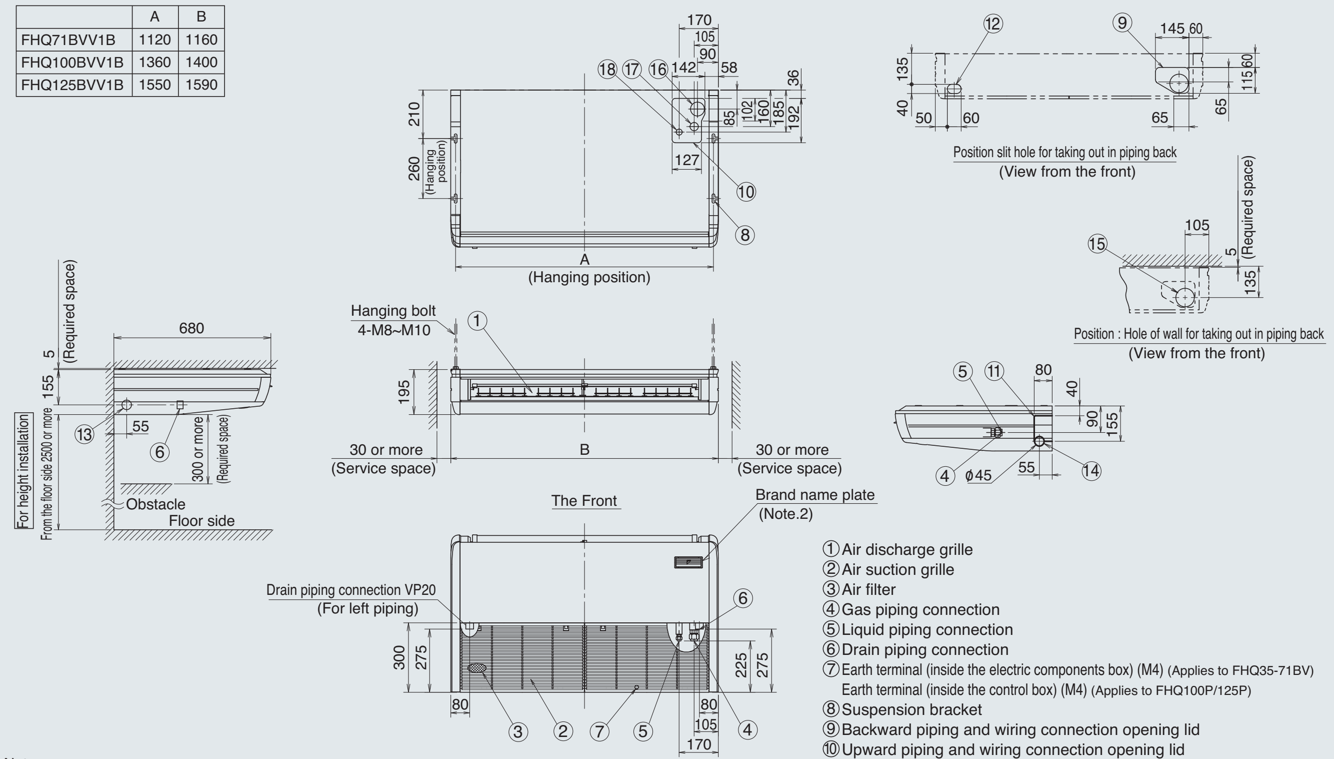
※The necessary space is 500mm or more when the air-outlet is blocked with the accessory. Moreover when the corner areas are blocked (both right and left of the blocked air outlet), the necessary space is 200mm or more.

Notes:
[1] Sticking location for manufacture's label
manufacture's label for indoor unit:
Suction grille inner side's electric components box's lid surface
manufacture's label for decoration panel :
Decoration panel's corner decoration cover inner surface
[2] In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
[3] When the temperature and humidity in the ceiling exceed 30˚C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene form) is required.
[4] Though the installation is acceptable up to maximum of 910mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.
[5] Please do not place the thing been damp and troubled under an indoor unit.
When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

① Liquid piping connection
② Gas piping connection
③ Drain piping connection
④ Transmission wiring connection
⑤ Remote controller wiring connection
⑥ Air-outlet
⑦ Suction grille
⑧ Corner decoration cover
⑨ Drain hose (accessory)

DIMENSIONS (Unit: mm)

CEILING SUSPENDED TYPE



	A	B
FHQ71BVV1B	1120	1160
FHQ100BVV1B	1360	1400
FHQ125BVV1B	1550	1590

170
105
90
142
58
36
127
85
102
160
185
192
210
260 (Hanging position)
A
(Hanging position)
135
40
50
60
145
60
65
115
60
65
Position slit hole for taking out in piping back
(View from the front)
105
5
135
(Required space)
Position : Hole of wall for taking out in piping back
(View from the front)
(Required spsce)
680
5
155
For height installation
From the floor side 2500 or more
55
300 or more
(Required space)
Obstacle
Floor side
Hanging bolt
4-M8~M10
195
30 or more
(Service space)
B
30 or more
(Service space)
80
40
90
155
φ45
55
The Front
Brand name plate
(Note.2)
Drain piping connection VP20
(For left piping)
300
275
80
225
275
80
105
170

①Air discharge grille
②Air suction grille
③Air filter
④Gas piping connection
⑤Liquid piping connection
⑥Drain piping connection
⑦Earth terminal (inside the electric components box) (M4) (Applies to FHQ35-71BV)
Earth terminal (inside the control box) (M4) (Applies to FHQ100P/125P)
⑧Suspension bracket
⑨Backward piping and wiring connection opening lid
⑩Upward piping and wiring connection opening lid
⑪Right side piping connection
⑫Left back drain piping connection
⑬Left side drain piping connection
⑭Right side drain piping connection
⑮Hole of wall for taking out in piping back
⑯Upward drain piping connection
⑰Upward gas piping connection
⑱Upward liquid piping connection

Notes:

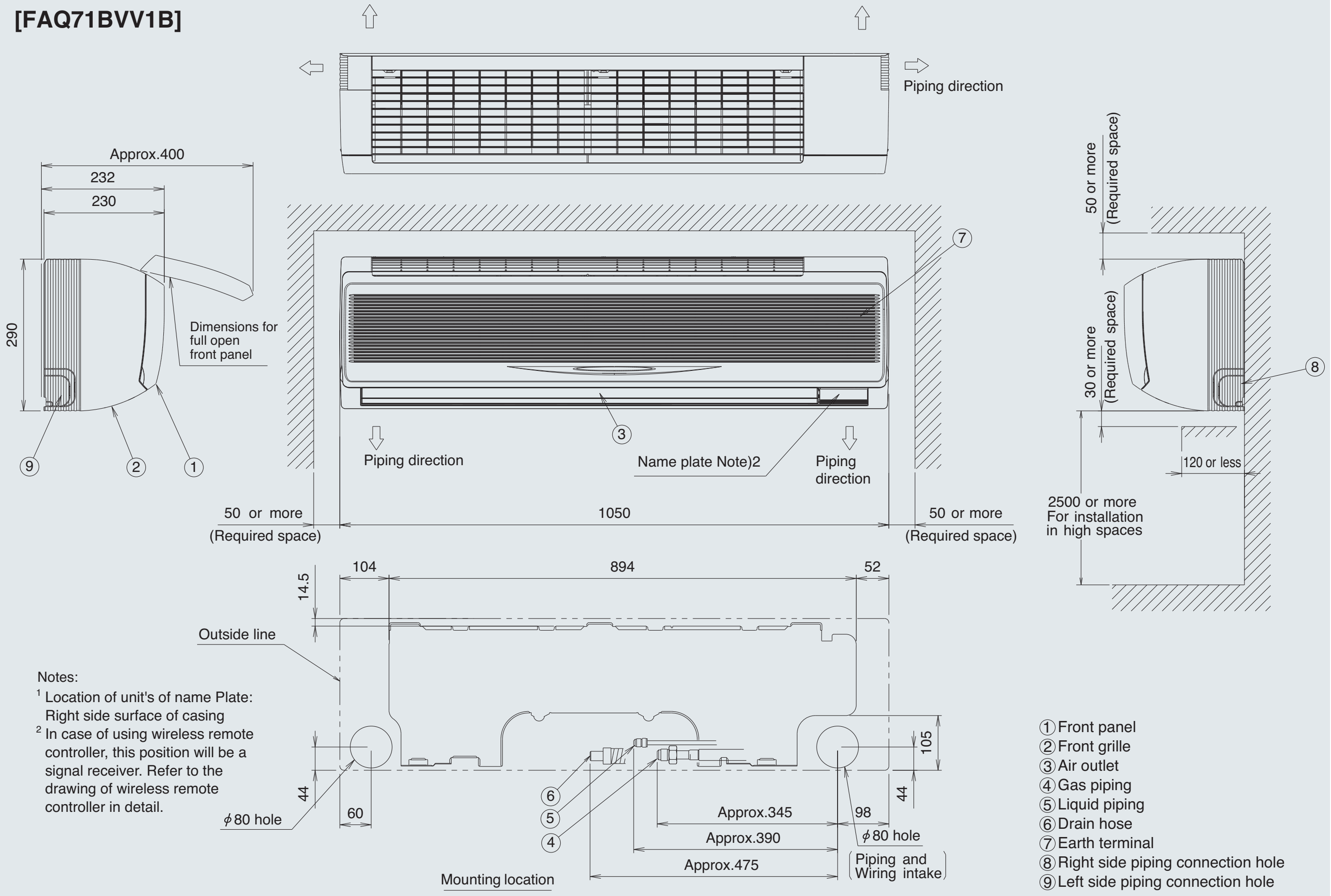
[1] Location of unit's Name Plate: Bottom of fan housing inside the suction grille.

[2] In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.

[3] (Applies to FHQ35-71BV only)
The remote control code is the standard <about 3 m outside the machine> attached.
(0.5 mm² × 2 wicks × O.D. ϕ 5.4)
(It is not attached to VRV.)

WALL MOUNTED TYPE

[FAQ71BVV1B]



Piping direction
Approx.400
232
230
290
Dimensions for
full open
front panel
50 or more
(Required space)
30 or more
(Required space)
Piping direction
Name plate Note)2
Piping
direction
50 or more
(Required space)
1050
50 or more
(Required space)
2500 or more
For installation
in high spaces
120 or less
14.5
104
894
52
Outside line
105
44
44
60
ϕ80 hole
Approx.345
98
Approx.390
ϕ80 hole
Approx.475
Piping and
Wiring intake
Mounting location

Notes:

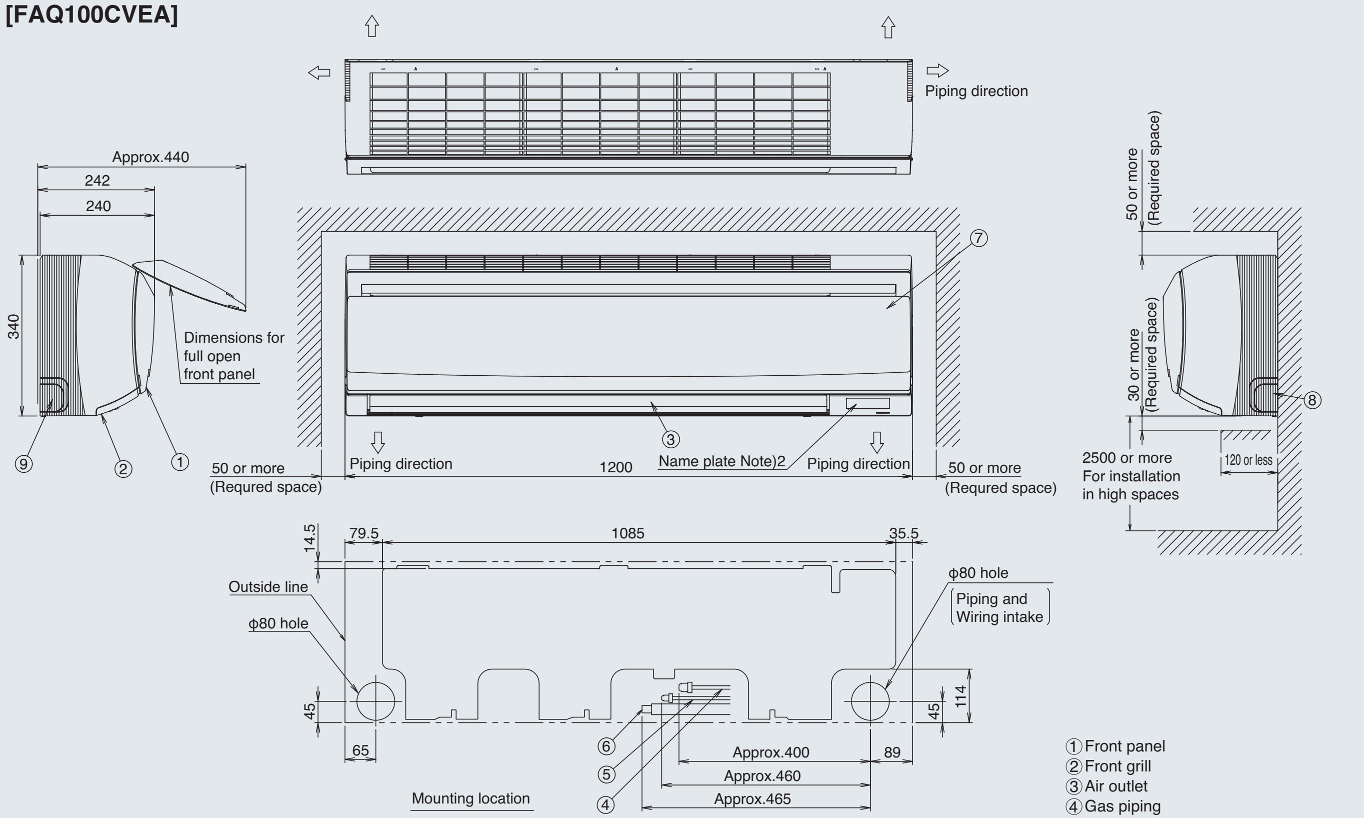
[1] Location of unit's of name Plate: Right side surface of casing

[2] In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.

①Front panel
②Front grille
③Air outlet
④Gas piping
⑤Liquid piping
⑥Drain hose
⑦Earth terminal
⑧Right side piping connection hole
⑨Left side piping connection hole

WALL MOUNTED TYPE

[FAQ100CVEA]



Piping direction
Approx.440
242
240
340
Dimensions for
full open
front panel
50 or more
(Requred space)
Piping direction
1200
Name plate Note)2
Piping direction
50 or more
(Requred space)
50 or more
(Required space)
30 or more
(Required space)
2500 or more
For installation
in high spaces
120 or less
14.5
79.5
1085
35.5
Outside line
ϕ80 hole
ϕ80 hole
Piping and
Wiring intake
45
45
114
65
Approx.400
89
Approx.460
Approx.465
Mounting location

Notes:

[1] Location of unit's of Name Plate:Right side surface of casing

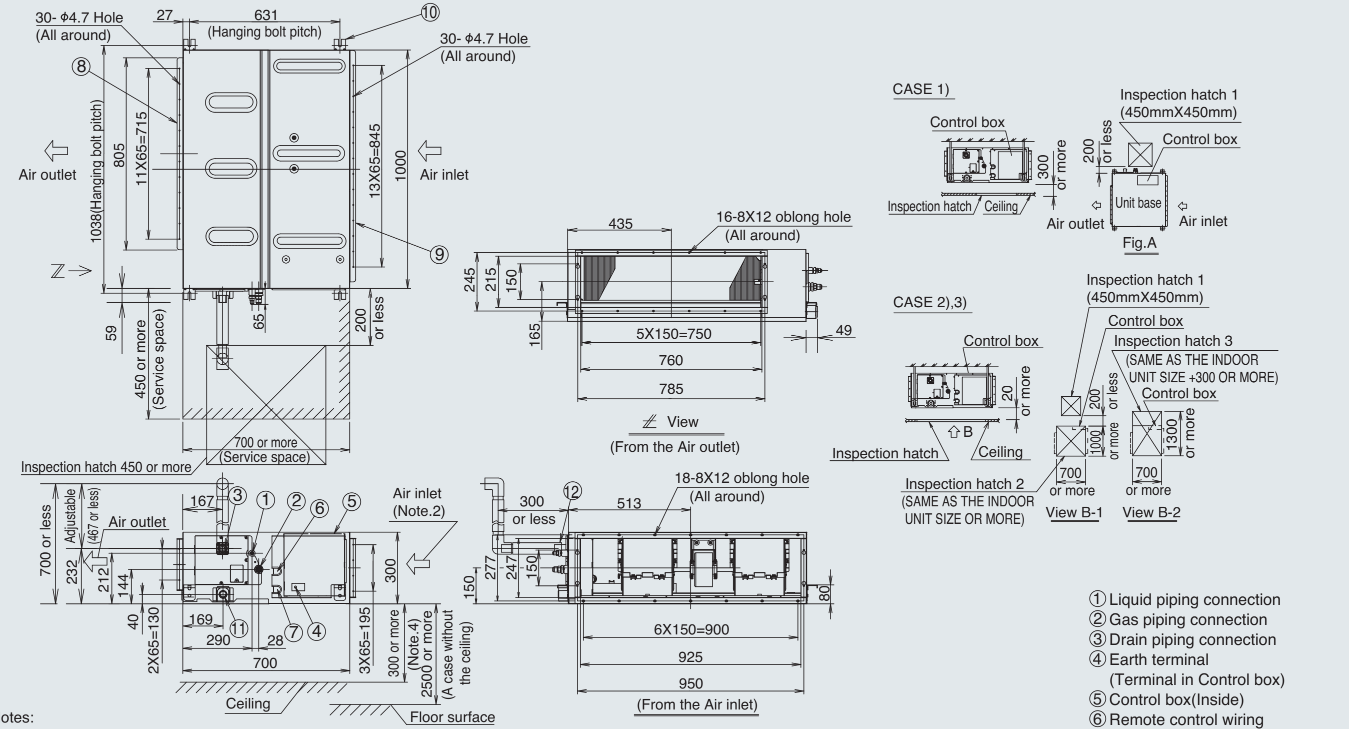
[2] In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote contorller in detail.

[3] Please do not place the thing been damp and troubled under an indoor unit. when the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

①Front panel
②Front grill
③Air outlet
④Gas piping
⑤Liquid piping
⑥Drain hose
⑦Earth terminal
⑧Right side piping connection hole
⑨Left side piping connection hole

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ71DV1]



30- ϕ4.7 Hole
(All around)
27
631
(Hanging bolt pitch)
30- ϕ4.7 Hole
(All around)
Air outlet
805
1038(Hanging bolt pitch)
11X65=715
13X65=845
1000
Air inlet
Z
59
65
450 or more
(Service space)
200
or less
700 or more
(Service space)
Inspection hatch 450 or more
435
16-8X12 oblong hole
(All around)
245
215
150
165
5X150=750
760
785
49
Z View
(From the Air outlet)
CASE 1)
Control box
Inspection hatch
Ceiling
300
or more
200
or less
Inspection hatch 1
(450mmX450mm)
Control box
Unit base
Air outlet
Air inlet
Fig.A
CASE 2),3)
Control box
B
Ceiling
Inspection hatch
20
or more
Inspection hatch 1
(450mmX450mm)
Control box
Inspection hatch 3
(SAME AS THE INDOOR
UNIT SIZE +300 OR MORE)
Control box
200
or less
1000
or more
1300
or more
700
or more
700
or more
Inspection hatch 2
(SAME AS THE INDOOR
UNIT SIZE OR MORE)
View B-1
View B-2
700 or less
Adjustable
(467 or less)
Air outlet
232
212
144
40
2X65=130
167
169
290
28
700
300
3X65=195
300 or more
(Note.4)
2500 or more
(A case without
the ceiling)
Air inlet
(Note.2)
Ceiling
Floor surface
300
or less
513
18-8X12 oblong hole
(All around)
150
277
247
150
80
6X150=900
925
950
(From the Air inlet)

Notes:

[1] Location of MANUFACTURE'S LABEL: Contro box surface

[2] Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more.)

[3] Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%,or a drain gets stuck,or air filters are not clean.

[4] Space for Service Works

According to any one of below 1)~3),secure a space for service works,such as,checking and maintenance of control box,etc.

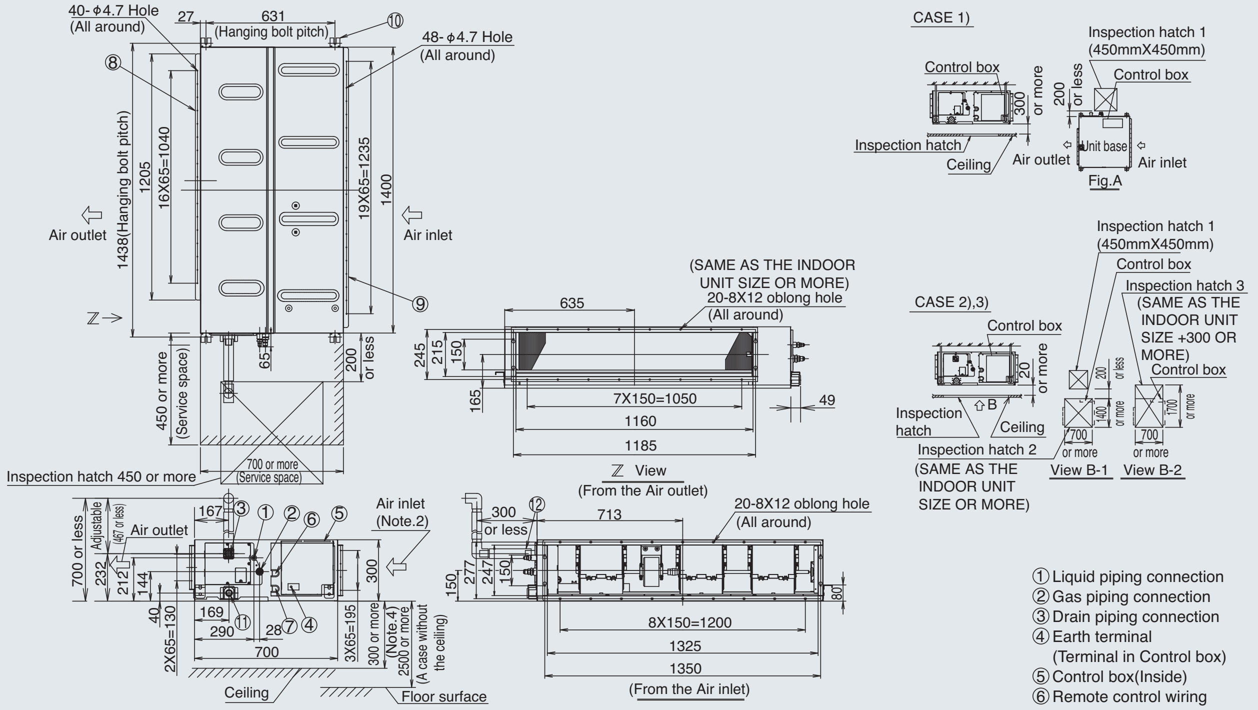
1)One inspection hatch (450X450) on the control box side and a space of 300mm or more under the unit.(Fig.A)
2)One inspection hatch (450X450) on the control box side and 2 (two) inspection hatches under the unit.(Arrow View B-1)
3)3 (three) inspection hatches under the unit and the control box.(Arrow View B-2)

①Liquid piping connection
②Gas piping connection
③Drain piping connection
④Earth terminal
(Terminal in Control box)
⑤Control box(Inside)
⑥Remote control wiring connection
⑦Power supply wiring and a transmission wiring
⑧Air discharge flange
⑨Air suction flange
⑩Hanger
⑪Socket (for maintenance)
⑫Drain hose(Accessory)

DIMENSIONS (Unit: mm)

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ100DV1, 125DV1, 140DV1]


40-φ4.7 Hole
(All around)
27
631
(Hanging bolt pitch)
48-φ4.7 Hole
(All around)
1438(Hanging bolt pitch)
1205
16X65=1040
19X65=1235
1400
Air outlet
Air inlet
Z
65
200 or less
450 or more (Service space)
Inspection hatch 450 or more
700 or more (Service space)
(SAME AS THE INDOOR UNIT SIZE OR MORE)
20-8X12 oblong hole
(All around)
635
245
215
150
165
7X150=1050
1160
1185
49
Z View
(From the Air outlet)
700 or less
Adjustable
232
212
144
40
2X65=130
167
169
290
28
700
3X65=195
300
300 or more
(Note.4)
2500 or more
(A case without the ceiling)
Air outlet
Air inlet
(Note.2)
300 or less
713
20-8X12 oblong hole
(All around)
277
247
150
8X150=1200
1325
1350
(From the Air inlet)
80
Ceiling
Floor surface
CASE 1)
Control box
Inspection hatch
Ceiling
300
200 or more
200 or less
Inspection hatch 1
(450mmX450mm)
Control box
Air outlet
Unit base
Air inlet
Fig.A
CASE 2),3)
Control box
20 or more
Inspection hatch
B
Ceiling
Inspection hatch 2
(SAME AS THE INDOOR UNIT SIZE OR MORE)
Inspection hatch 1
(450mmX450mm)
Control box
Inspection hatch 3
(SAME AS THE INDOOR UNIT SIZE +300 OR MORE)
Control box
700 or more
View B-1
View B-2
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

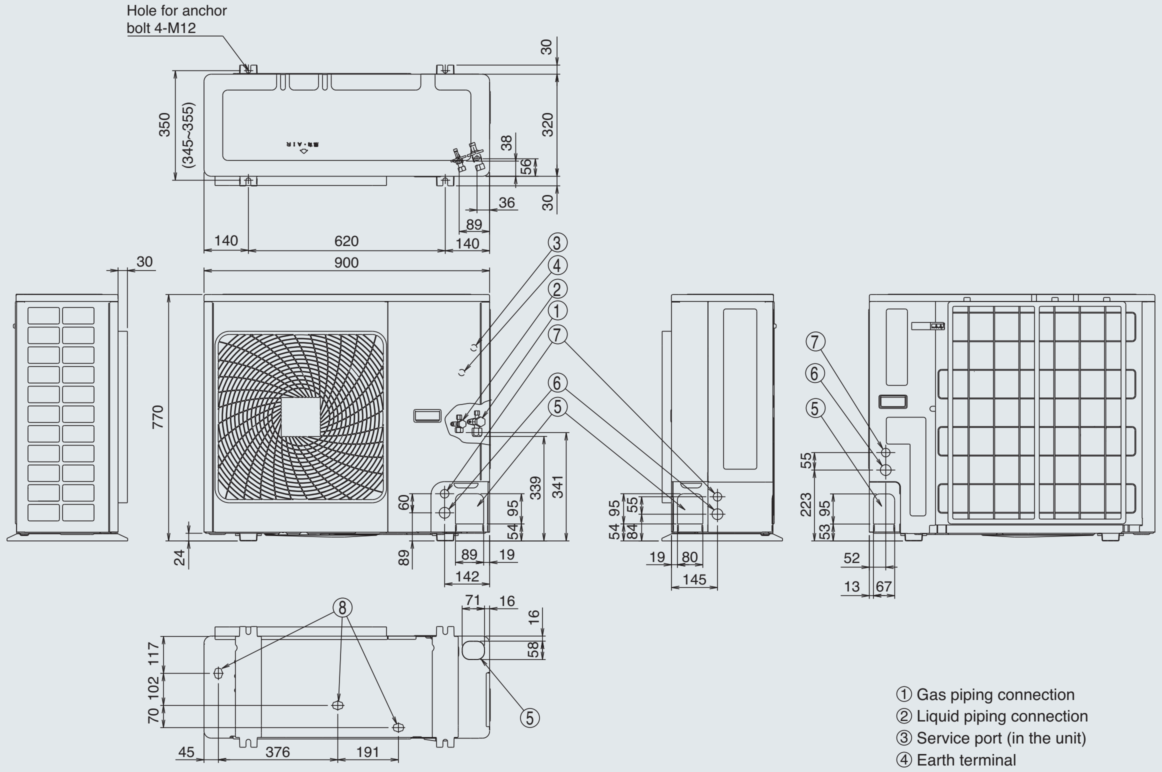
① Liquid piping connection
② Gas piping connection
③ Drain piping connection
④ Earth terminal
(Terminal in Control box)
⑤ Control box(Inside)
⑥ Remote control wiring connection
⑦ Power supply wiring and a transmission wiring
⑧ Air discharge flange
⑨ Air suction flange
⑩ Hanger
⑪ Socket(For maintenance)
⑫ Drain hose(Accessory)

Notes:
[1]Location of MANUFACTURE'S LABEL: Control box surface
[2]Mount the air filter at the suction side.(Select its colorimethod (gravity method) 50% or more.
[3]Do not locate things should not be wet under the indoor unit.Dews may drop when humidity reaches over 80%,or a drain gets stuck,or air filters are not clean.
[4]Space for Service Works

According to any one of below 1)~3),secure a space for service works,such as,checking and maintenance of control box,etc.

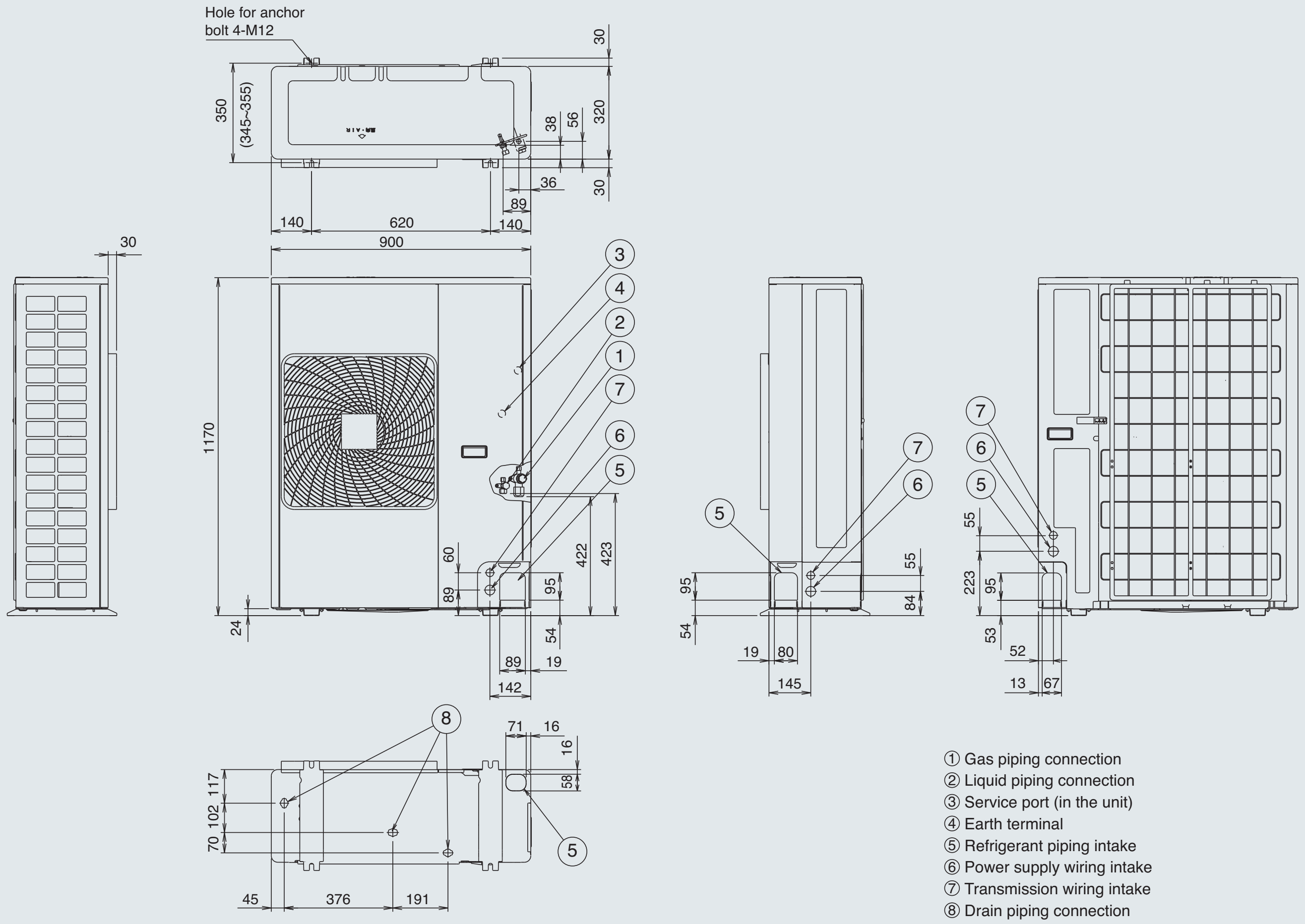
1)One inspection hatch (450X450) on the control box side and a space of 300mm or more under the unit.(Fig.A)
2)One inspection hatch (450X450) on the control box side and 2 (two) inspection hatches under the unit.(Arrow View B-1)
3)3 (three) inspection hatches under the unit and the control box.(Arrow View B-2)

OUTDOOR UNIT // RR71MV1/Y1


Hole for anchor bolt 4-M12
350
(345~355)
30
320
38
56
36
30
89
140
620
140
900
30
770
24
60
89
89
19
142
54
95
339
341
54 95
84 55
19
80
145
55
223
53 95
52
13
67
71
16
16
58
70 102 117
45
376
191
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Gas piping connection
② Liquid piping connection
③ Service port (in the unit)
④ Earth terminal
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Transmission wiring intake
⑧ Drain piping connection

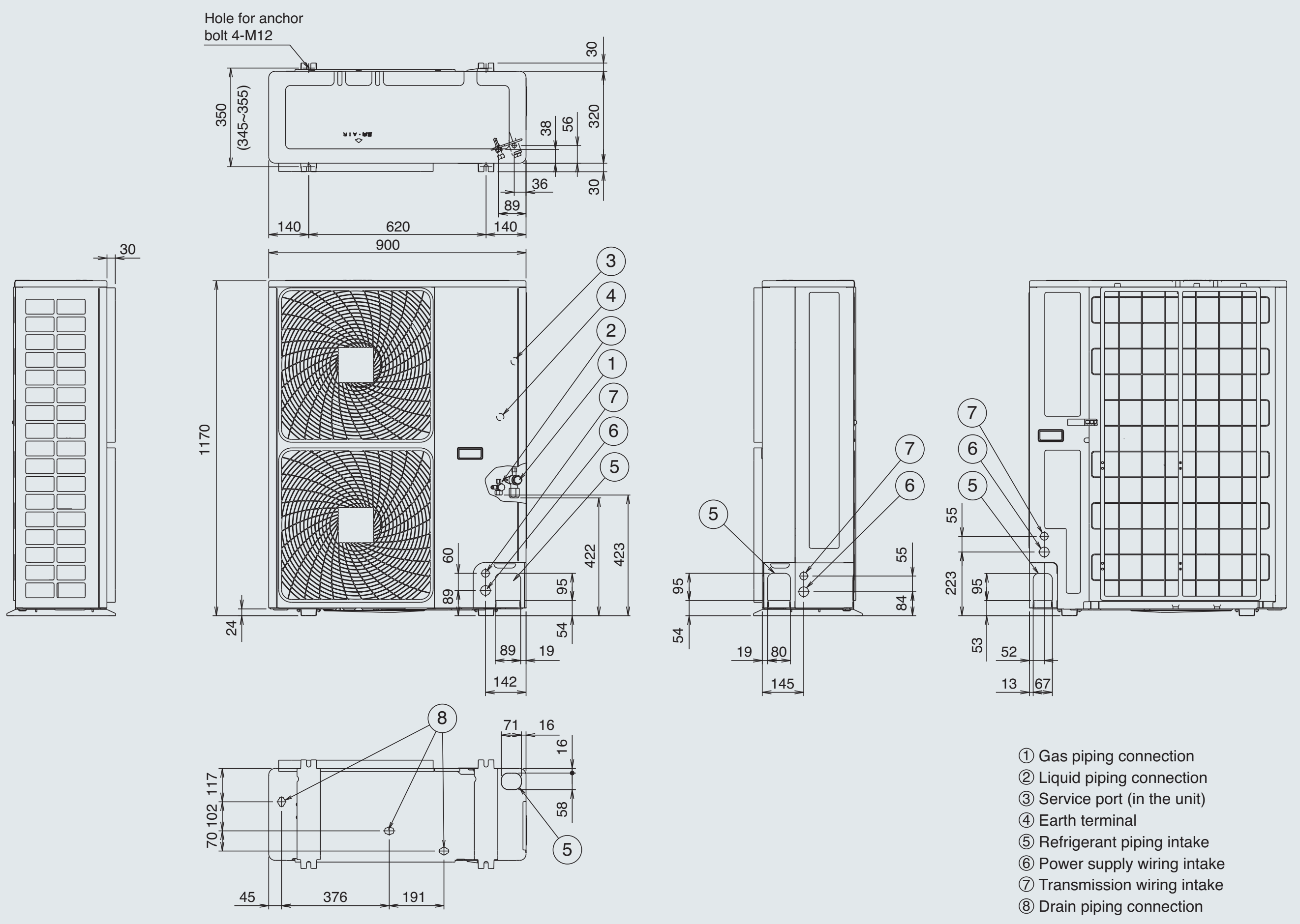
OUTDOOR UNIT // RR100MY1


Hole for anchor bolt 4-M12
350
(345~355)
30
38
56
320
36
30
89
140
620
140
900
30
1170
24
60
89
95
54
422
423
89
19
142
95
54
19
80
145
55
84
55
223
95
53
52
13
67
71
16
16
58
70 102 117
45
376
191
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Gas piping connection
② Liquid piping connection
③ Service port (in the unit)
④ Earth terminal
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Transmission wiring intake
⑧ Drain piping connection

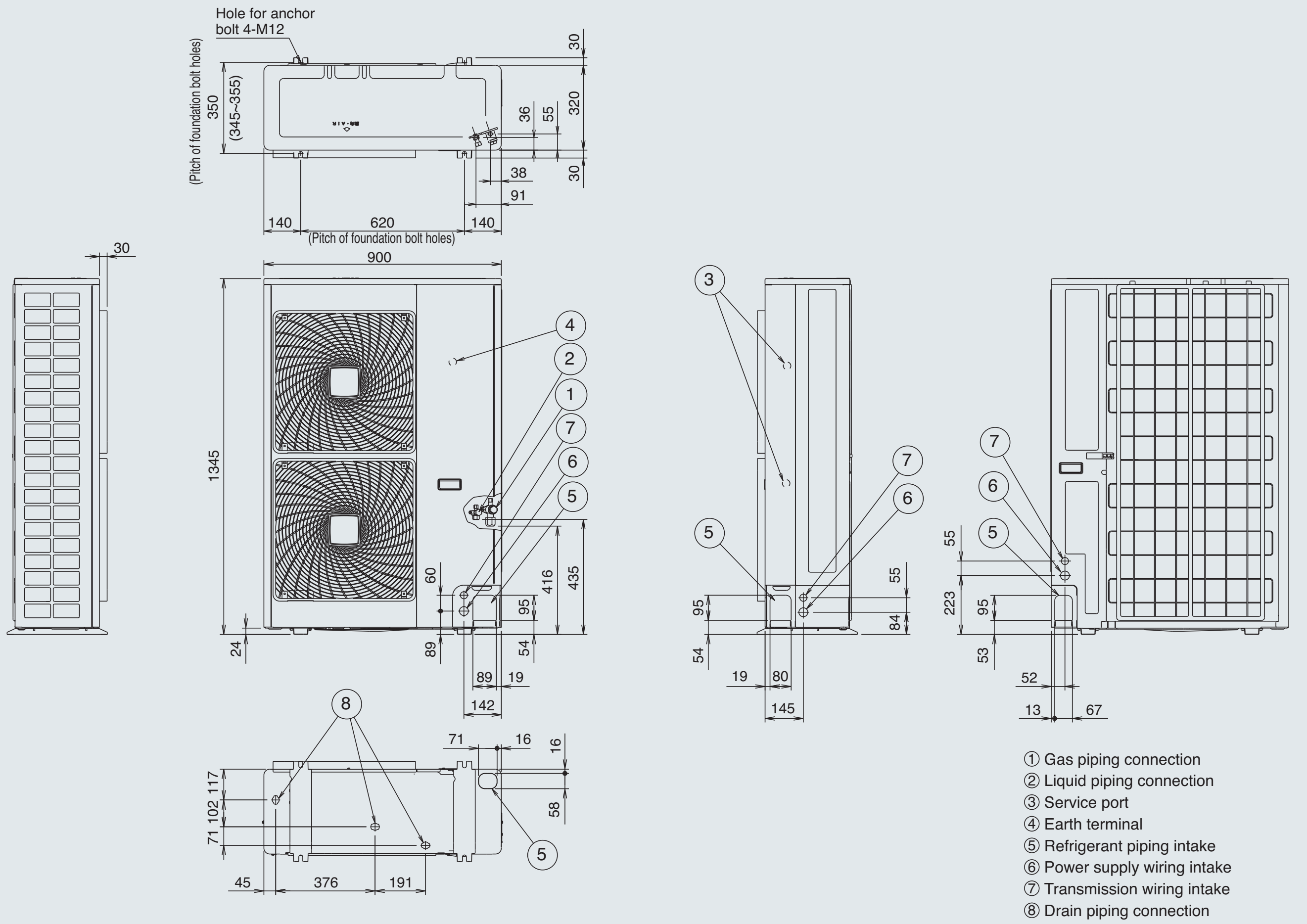
DIMENSIONS (Unit: mm)

OUTDOOR UNIT // RR125MY1


Hole for anchor bolt 4-M12
30
350
(345~355)
38
56
320
36
89
30
140
620
140
900
30
1170
24
60
89
95
54
422
423
89
19
142
95
54
19
80
145
55
84
55
223
95
53
52
13
67
71
16
16
117
102
70
58
45
376
191
①
②
③
④
⑤
⑥
⑦
⑧

① Gas piping connection
② Liquid piping connection
③ Service port (in the unit)
④ Earth terminal
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Transmission wiring intake
⑧ Drain piping connection

OUTDOOR UNIT // RR140MY1

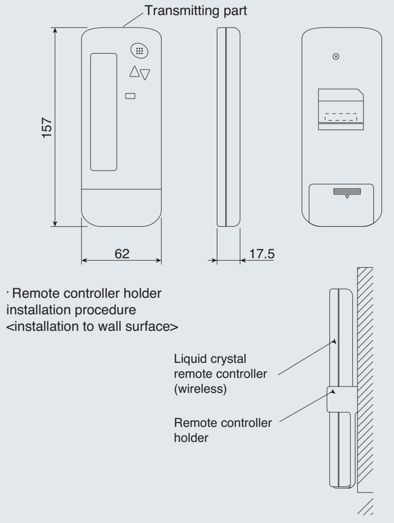

Hole for anchor bolt 4-M12
(Pitch of foundation bolt holes)
350
(345~355)
30
36
55
320
38
91
30
140
620
140
(Pitch of foundation bolt holes)
900
30
1345
24
60
89
95
54
416
435
89
19
142
95
54
19
80
145
55
84
55
223
95
53
52
13
67
71
16
16
117
102
71
58
45
376
191
①
②
③
④
⑤
⑥
⑦
⑧

① Gas piping connection
② Liquid piping connection
③ Service port
④ Earth terminal
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Transmission wiring intake
⑧ Drain piping connection

REMOTE CONTROLLER

《Wireless type》

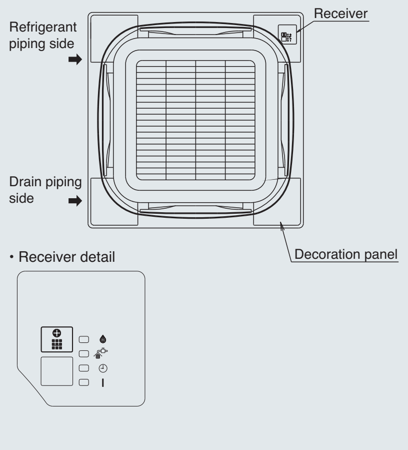
· Remote controller dimensions


Transmitting part
157
62
17.5
Liquid crystal remote controller (wireless)
Remote controller holder

· Remote controller holder installation procedure <installation to wall surface>

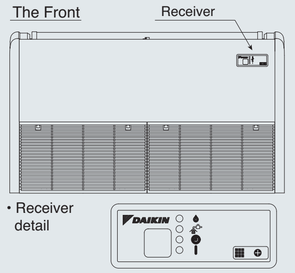
CEILING MOUNTED CASSETTE TYPE <Round Flow>

• Receiver installation procedure


Receiver
Refrigerant piping side
Drain piping side
Decoration panel
• Receiver detail

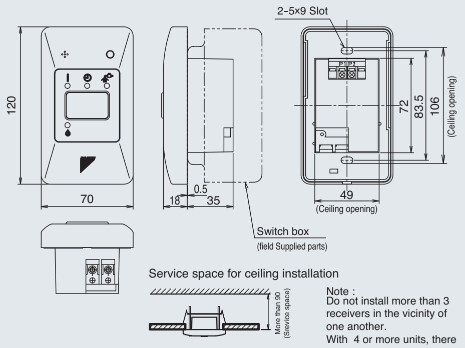
CEILING SUSPENDED TYPE

• Receiver installation procedure


The Front
Receiver
• Receiver detail
DAIKIN

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

· Receiver detail

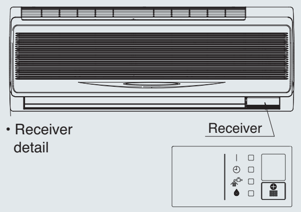

2-5×9 Slot
120
70
18
0.5
35
72
83.5
106
(Ceiling opening)
49
(Ceiling opening)
Switch box
(field Supplied parts)
Service space for ceiling installation
More than 90
(Srevice space)

Note :
Do not install more than 3 receivers in the vicinity of one another.
With 4 or more units, there is always the possibility of malfunction

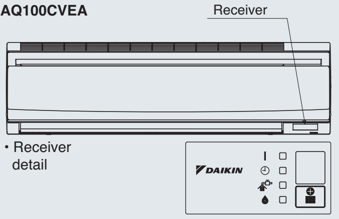
WALL MOUNTED TYPE

• Receiver installation procedure

FAQ71BVV1B

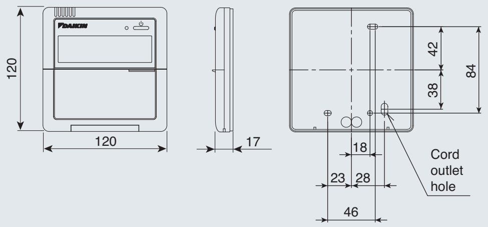

• Receiver detail
Receiver

FAQ100CVEA

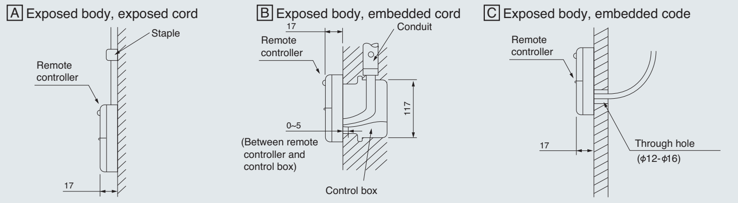

Receiver
• Receiver detail
DAIKIN

《Wired type》 • Remote controller dimensions

BRC1D61 / BRC1C61


120
120
17
42
38
84
18
23
28
46
Cord outlet hole

• Installation method

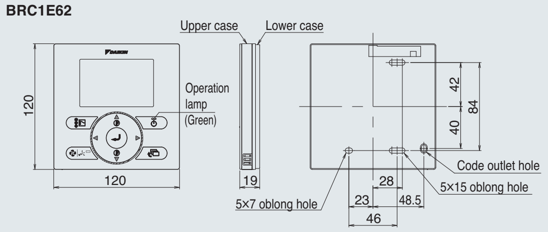

A Exposed body, exposed cord
Staple
Remote controller
17
B Exposed body, embedded cord
17
Conduit
Remote controller
117
0~5
(Between remote controller and control box)
Control box
C Exposed body, embedded code
Remote controller
17
Through hole
(ϕ12-ϕ16)

Specifications of cord

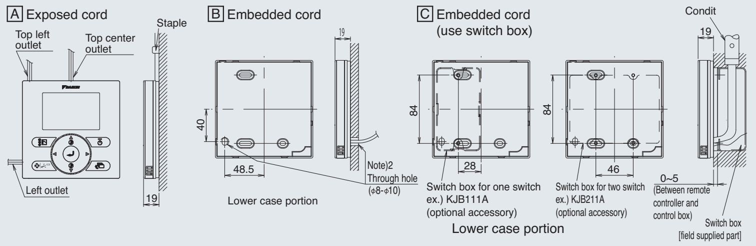
Type *	Shield wire (insulated thickness: 1 mm or more)
Size	0.75~1.25 mm²
Total length	500 m

Note)
1. Remote controller cord and staple are not attached.
They are field supplied parts.

BRC1E62


Upper case
Lower case
120
120
Operation lamp (Green)
19
5×7 oblong hole
42
40
84
18
23
28
48.5
46
Code outlet hole
5×15 oblong hole

• Installation method


A Exposed cord
Top left outlet
Top center outlet
Staple
Left outlet
19
B Embedded cord
19
40
48.5
Note)2
Through hole
(ϕ8-ϕ10)
Lower case portion
C Embedded cord
(use switch box)
84
28
84
46
Switch box for one switch
ex.) KJB111A
(optional accessory)
Switch box for two switch
ex.) KJB211A
(optional accessory)
Lower case portion
Condit
19
0~5
(Between remote controller and control box)
Switch box
[field supplied part]

Note)
1. Remote controller cord and staple are not attached. They are field supplied parts.

2.If the hole size is too large or the location is not proper, the hole may come out from the remote controller.

Specifications of cord

Type	Vinyl cord with sheath or cable (insulated thickness: 1mm or more)
Size	0.75~1.25 mm²
Total length	500 m